

# TA-AV501/AV501R/AV601

## SERVICE MANUAL

US Model  
Canadian Model  
E Model  
TA-AV501

AEP Model  
UK Model  
TA-AV501R

US Model  
TA-AV601

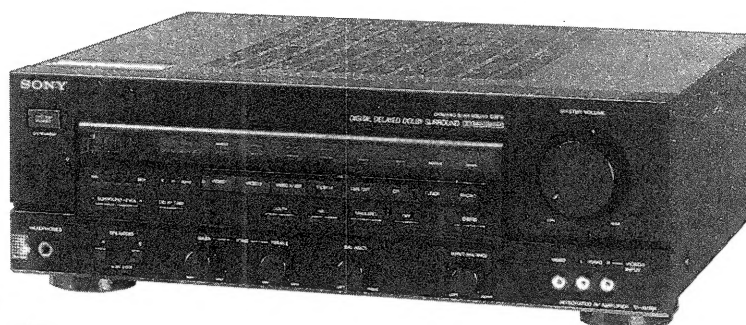


Photo : TA-AV501

- TA-AV501 (US) is the AMPLIFIER in SEN-501/601.
- TA-AV501 (Canadian) is the AMPLIFIER in STU-51.

### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC DISTORTION :

With 8 ohm loads both channels driven, from 20-20,000 Hz : rated 110 watts (TA-AV501) or 150 watts (TA-AV601) per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

#### Overall output Front

TA-AV501 (US, Canadian models) :  
110 W + 110 W  
TA-AV501 (E model)  
150W + 150W (THD 0.05%, 8-ohm load)  
TA-AV501R (except for West Germany model) :  
100W + 100W (DIN 1kHz, 8-ohm load)  
TA-AV501R (West Germany model) :  
110W + 110W (DIN 1kHz, 4-ohm load)  
90W + 90W (THD 0.05%, 8-ohm load)  
TA-AV601 (US model) :  
150 W + 150 W

#### Surround 15W + 15W

#### Music power output 650W (TA-AV501)

#### Harmonic distortion

TA-AV601/TA-AV501 (US, Canadian models)  
Less than 0.9% (at 1 kHz, 8-ohm load Front :  
Rated Power, Surround/DRLC : Off)  
TA-AV501 (E Model)  
Less than 0.9% (at 1 kHz, 8-ohm load Front :  
150W + 150W, Surround Off)  
TA-AV501R (except for West Germany model) :  
Less than 0.05% (at 1 kHz, 8-ohm load, Front  
80W + 80W, Surround Off)  
TA-AV501R (West Germany model) :  
Less than 0.05% (at 1 kHz, 4-ohm load, Front  
90W + 90W, Surround Off)

#### Intermodulation (IM) distortion (60Hz : 7kHz)

Less than 0.9% at rated output

#### Frequency response

PHONO : RIAA equalization curve  $\pm 0.5$ dB  
TUNER, CD, GRAPHIC EQ, TAPE/DAT, VIDEO  
1, 2, 3, 4 : 10Hz to 70kHz (West Germany model  
10Hz to 30kHz),  $\pm 3$  dB

#### Residual noise Damping factor 40 (ohms, 1 kHz)

#### Video section

Video input/output  
Permissible signal input level  
1.5 Vp-p

#### Output signal level

1 + 0.1 Vp-p/with 1 Vp-p input  
(measured at MONITOR OUT)

#### Impedance (output)

75-ohm unbalanced, negative sync

#### Audio section

##### Input

Input jack	Jack type	Sensitivity	Impedance
PHONO (MM)	Phono	2.0 mV	50 kilohms
TUNER CD VIDEO 1, 2, 3 (LD), 4 TAPE/DAT	Phono	150 mV	50 kilohms

'78 IHF

#### Dolby input sensitivity 500 mV

##### Output

TAPE/DAT	Phono jacks	Voltage 150 mV Impedance 470 ohms
SPEAKER	—	Accepts speakers of 8-16 ohms or 4-16 ohms (West Germany model)
HEADPHONES	Stereo phone jack	Accepts low and high impedance headphones.
VIDEO 1, 2 MONITOR	Phono jack	1 Vp-p, 75 ohms

Tone controls BASS:  $\pm 7$  dB (100 Hz)  
TREBLE:  $\pm 8$  dB (10 kHz)

— Continued on next page —

INTEGRATED STEREO AMPLIFIER  
**SONY**®



使用時は添付資料も参照のこと  
Refer to the additional documents

## TABLE OF CONTENTS

## General

System	
Power amplifier	All-stage direct-coupled pure complementary SEPP OCL circuit
Surround amplifier	Semi complementary SEPP circuit
Preamplifier	NF type tone control
Surround circuit	Digital Delay surround circuit Operation circuit matrix type
Power requirements	
	US, Canadian model: 120 V AC, 60 Hz
	U.K. model: 240 V AC, 50/60 Hz
	AEP, West Germany model: 220 V AC, 50/60 Hz
	E model: 120 V, 220 V or 240 V AC adjustable, 50/60 Hz
Power consumption	
	US model: 250 W (TA-AV601) : 200 W (TA-AV501)
	Canadian model: 435VA (TA-AV501)
	U.K. model: 435 W (TA-AV501R)
	AEP, West Germany model: 210 W (TA-AV501R)
	E model: 290 W (TA-AV501)
Weight	
	TA-AV501 (US, Canadian models) / TA-AV501R : 10.9 kg (24 lb 1 oz)
	TA-AV501 (E models) / AV601 : 11.1 kg (24 lb 8 oz)
Dimension	
	AEP model: 430 × 150 × 360 (W/H/D) mm (17 × 5 7/8 × 14 1/8 inches)
	Other models: 430 × 150 × 355 (W/H/D) mm (17 × 5 7/8 × 13 7/8 inches)
Accessories supplied	
	TA-AV501 (US models): RM-U202 or RM-204
	Other models: RM-P302
	Sony SUM-3 (NS) batteries (2)

## Features

## Amplifier Features

- This amplifier incorporates the power amplifier for the front speakers 110W + 110W (TA-AV501), 150W + 150W (TA-AV601) and that for the surround speakers 15W + 15W (TA-AV501/TA-AV601) independently. These amplifiers make possible a powerful surrounding sound from 4 speakers.
- The versatile input system controls 4 A/V input systems and 4 audio input systems.
- The DBFB (Dynamic Bass Feed Back) circuitry reinforces the bass sound at low listening level. The lower the sound level, the more the bass is emphasized.

## Surround Features

- This unit has Digital Delay Surround system.  
This unit incorporates all of three types of surround effect.
- **DOLBY SURROUND** \* — expands sound just like listening to it in a movie theater.
- Hall Surround—provides reverberation effect that is produced in a large concert hall.
- Simulated Surround—gives the feeling of width and thickness to monaural sound of old movies, etc.

## operating voltage

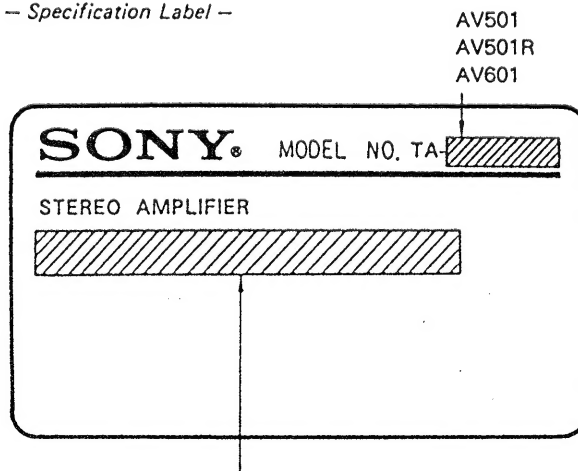
Before operating the unit, check that the operating voltage of your unit is identical with the voltage of your local power supply.

Where purchased	Operating voltage
Canadian Model	120 V AC
UK Model	240 V AC
AEP, West Germany Model	220 V AC
E Model	120 V, 220 V or 240 V AC adjustable The voltage selector is located on the rear panel. If the selector must be reset, disconnect the AC power cord and set the selector to the proper voltage of your local power supply.

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## MODEL IDENTIFICATION

— Specification Label —



U, CA Model : AC 120V 60Hz  
AEP, WG Model : AC 220V 50/60Hz  
UK Model : AC 240V 50/60Hz  
E Model : AC 120/220/240V 50/60Hz

## SECTION 1 GENERAL

### SAFETY CHECK-OUT

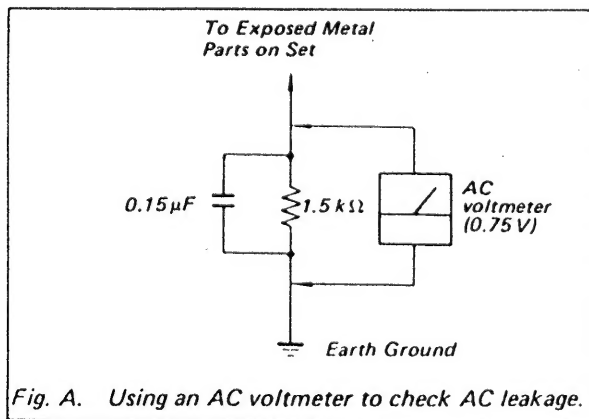
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

#### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

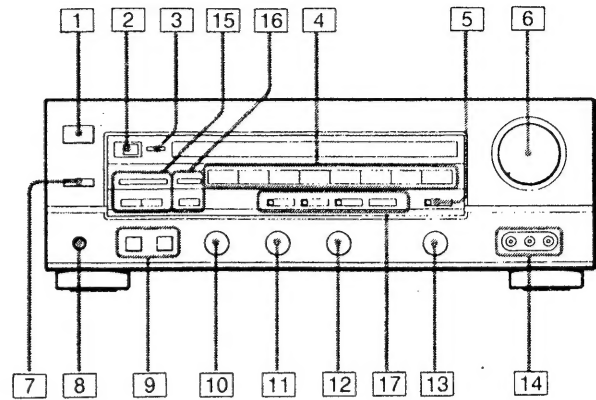
1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### Parts identifications

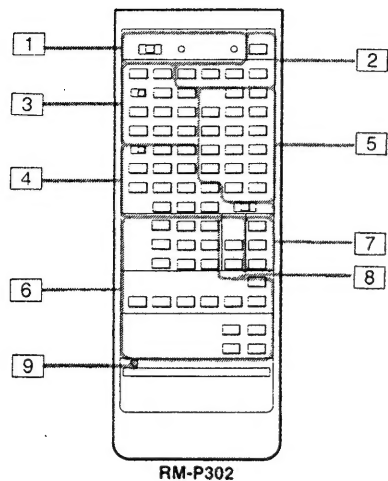


- |    |   |
|----|---|
| 1  | POWER switch<br>SYSTEM POWER Switch (E model)   |
| 2  | Remote control sensor   |
| 3  | DRLC indicator (TA-AV601 only)<br>STANDBY indicator (TA-AV501R/TA-AV501 : E model)            |
| 4  | FUNCTION selectors and indicators   |
| 5  | DBFB (Dynamic Bass Feed Back) button and indicator<br>MUTING button and indicator (TA-AV501R) |
| 6  | MASTER VOLUME control   |
| 7  | DRLC/POWER switch (TA-AV601 only)   |
| 8  | HEADPHONES jack (stereo phone jack)   |
| 9  | SPEAKERS A, B selectors   |
| 10 | BASS control  |
| 11 | TREBLE control  |
| 12 | BALANCE control   |
| 13 | INPUT BALANCE control   |
| 14 | VIDEO 4 INPUT jacks   |
| 15 | SURROUND LEVEL +/- buttons and indicators   |
| 16 | DELAY TIME button and indicators  |
| 17 | SURROUND MODE selectors and indicators  |

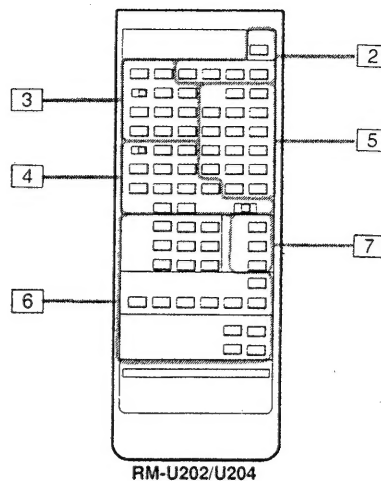
#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

## Parts Identification of the Remote Commander



RM-P302



RM-U202/U204

### 1 Program control section (RM-P302 only)

Mode selector and indicator (page 17)

SONY STD: To control Sony equipment.

USER STD: To control equipment whose remote control functions are stored.

LEARN: To store functions of other remote commanders emitting infrared rays.

PROGRAM CLEAR button: Clears the stored functions.

### 2 Power control section

SYSTEM OFF button: Turns off the power of the whole system: LD, VTR, TV, AUDIO and DRLC (TA-AV601 only).

LDP/VTR/TV/AUDIO POWER buttons: Control the power of each unit. (The VTR button can be operative only when TAPE/VTR selector is set to VTR.)

### 3 CDP/LDP control section

CDP/LDP selector: Selects CD or LD (Laser disc) player to be played. The combined CD/LD player can be controlled with this selector set to LDP.

CONTINUE: Continuous play (only for CD player)

SHUFFLE: Shuffle play (only for CD player)

PGM: Program play (only for CD player) (Refer to the operating instructions of CD player.)

D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)

▶: Starts play.

◀◀/▶▶: Locates a desired selection

■: Stops play.

◀◀/▶▶: Manual search (only for LD player)

### 4 Tape deck/VTR control section

TAPE/VTR selector: Selects TAPE (tape deck) or VTR (VCR) to be controlled.

ANT TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.

CH + / - buttons: Selects channel on the VCR.

◀◀/▶▶: Fast winding

■: Stop

◀/▶: Play

||: Pause

○ (RM-U202/U204 only): Record muting

● (RM-U202/U204 only): Recording (While pressing ●, press ▶)

REV/●REC/FWD buttons (RM-P302 only):

For reverse recording, press REV and ● REC together.

For forward recording, press FWD and ● REC together.

DECK/VTR selector

DECK A, B, and DAT: Select A, B, or DAT.

VTR 1, 2, and 3: Select VCR type.

1: Betamax VCRs

2: 8mm VCRs

3: VHS VCRs

### Notes

- These buttons other than the PAUSE button do not function for the TC-W306 (SEN-501) only.
- Even when the DECK/VTR selector on the remote commander is set to DECK/VTR 1, pressing the PAUSE button pauses only the B deck of the TC-W306. (RM-U204 only)

### 5 TV control section

VOL + / - buttons: Control the TV volume.

CH + / - buttons: Select a preset channel.

TV/VIDEO button: Selects the input signal of the TV.

Program number (1 to 0) and ENTER buttons: Select the channel.

### 6 Amplifier control section

FUNCTION selectors: Select an input source of the amplifier. (DAT button does not function for the TA-AV501/601.)

SURROUND MODE selectors: Select a surround mode.

DELAY TIME button: Controls the delay time.

REAR LEVEL + / - buttons: Control the surround level.

DBFB button: Reinforces the bass sound.

MUTING button: Mutes the sound. (This button does not function for the TA-AV501/601.)

MASTER VOL + / - buttons: Control the amplifier volume.

### 7 Tuner control section

SHIFT button: Selects a memory page.

TUNER PRESET station select buttons: Selects a preset station.

### 8 Turntable control section (RM-P302 only)

PHONO START button: Starts record playing.

PHONO STOP button: Stops record playing.

### 9 RESET button (RM-P302 only)

Reset the commander to the initial state.

## SECTION 2

### ELECTRICAL CHECK

Disassembling for board check (voltage measurement)

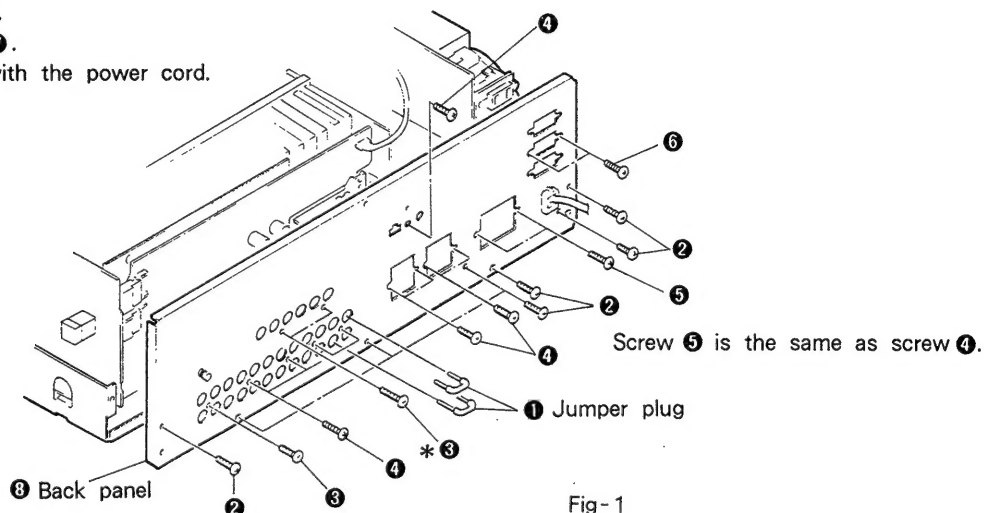
Note 1: Tape should be stuck to the board edges so that the chassis does not touch the printed patterns or jumpers when boards are checked.

Note 2: When back panel ⑧ is removed to check the boards, an earth line of the input board goes out of the chassis. After the back panel is removed, screw ③ must be tightened so that the input board is fixed.

#### 1. Input Board

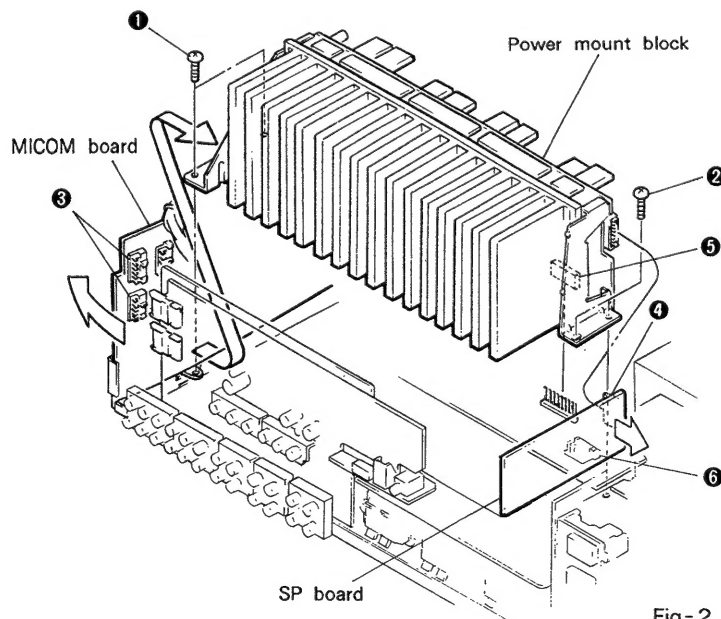
(Step 1)

- 1) Pull jumper plug ① out.
- 2) Remove screws ② to ⑦.
- 3) Remove back panel ⑧ with the power cord.



(Step 2)

- 1) Remove screw ① and ②.
- 2) Remove connector ③ of the MICOM board.
- 3) Remove connector ④ of the SP board.
- 4) Remove connector ⑥ of the power board and connector ⑤ of the SUR board.
- 5) Remove the power mount block.



(Step 3)

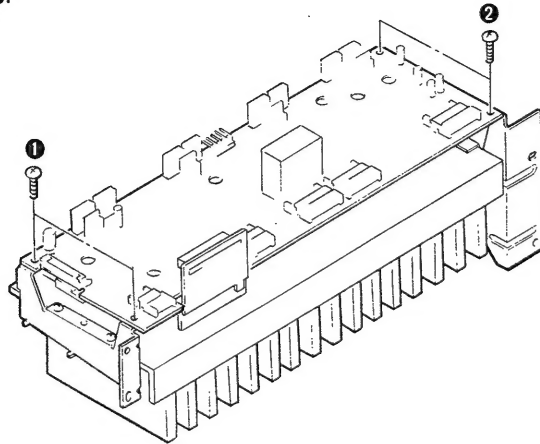
- 1) Set connector ③ back to the previous position, which was removed in step 2.
- 2) Attach the input board using screw \*③ (Fig-3) which was removed in step 1.
- 3) Check the input board from the parts side.

## 2. Power Board

Perform steps 2 and 3 for the input board. However, it is not necessary to remove the back panel.

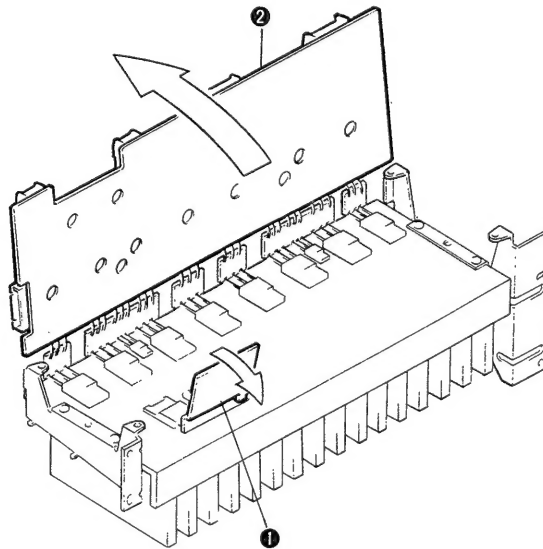
(Step 4)

- 1) Remove screws ❶ and ❷.



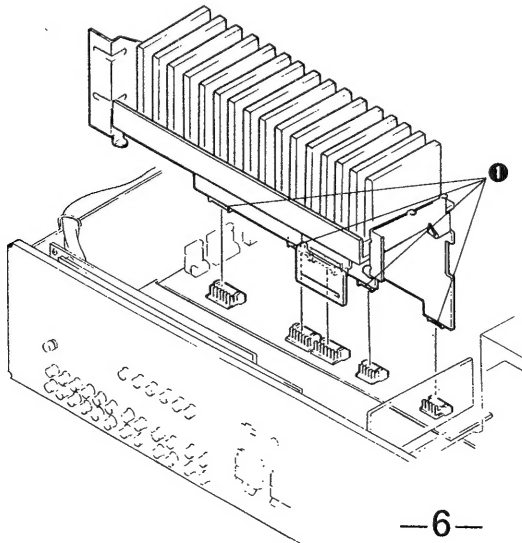
(Step 5)

- 1) Set the SUR board in the direction of the arrow.
- 2) Set the power board in the direction of the arrow.



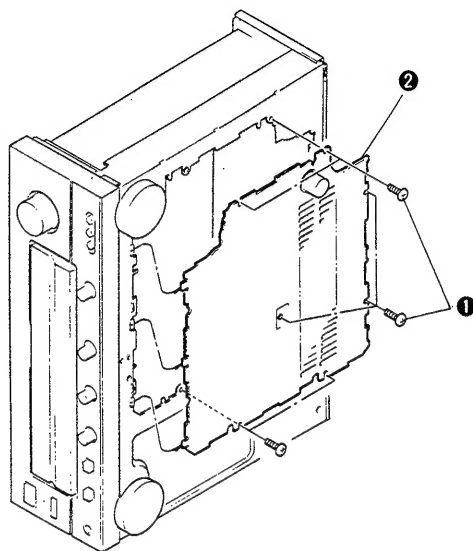
(Step 6)

- 1) Set the connectors of the power mount block to the unit.



(Step 7)

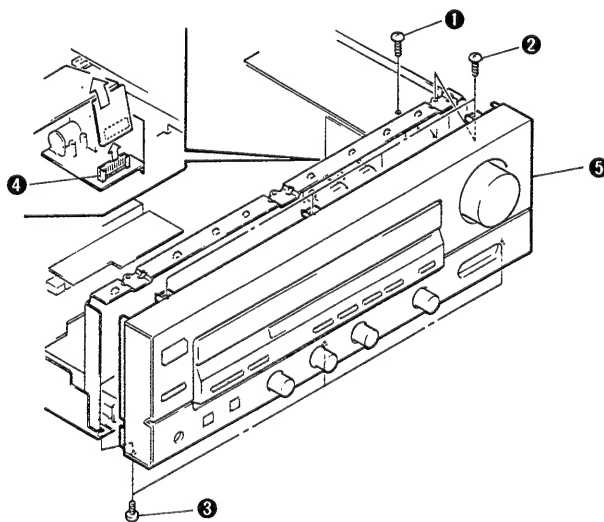
- 1) Remove screw ❶.
- 2) Remove bottom panel ❷.
- 3) Set the unit as shown in the figure and check the power board from the bottom side.



### 3. Control Board

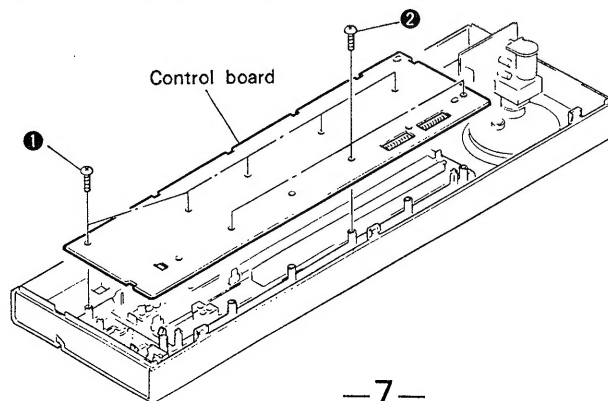
(Step 1)

- 1) Remove screws ❶ to ❸.
- 2) Remove connector ❹ of the VOL board.
- 3) Remove front panel ❺.



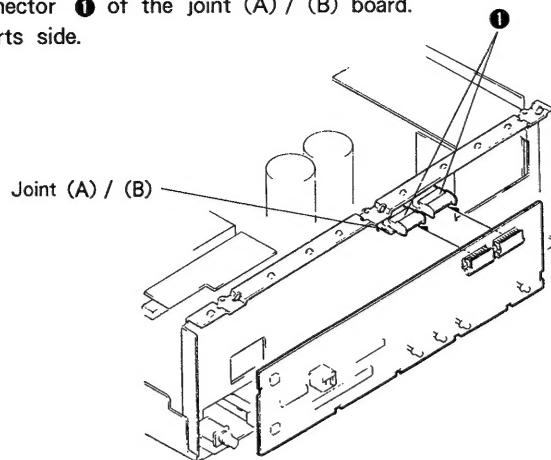
(Step 2)

- 1) Remove screw ❶ and ❷.
- 2) Remove the hooks which fix the control board and remove the board.



(Step 3)

- 1) Set the control board to connector ❶ of the joint (A) / (B) board.
- 2) Check the board from the parts side.



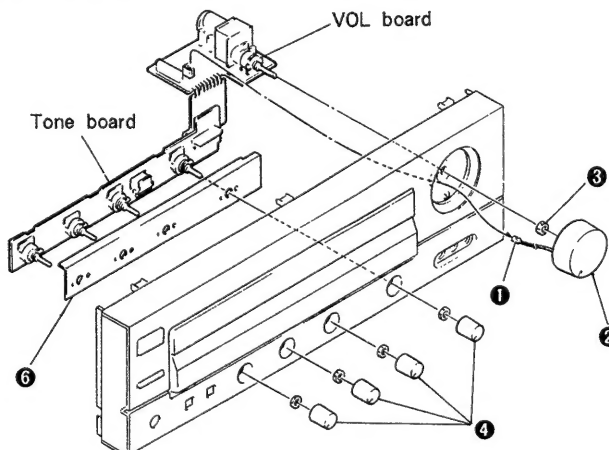
#### 4. Tone and VOL Boards

(Step 1)

Perform (step ❶) for the control board.

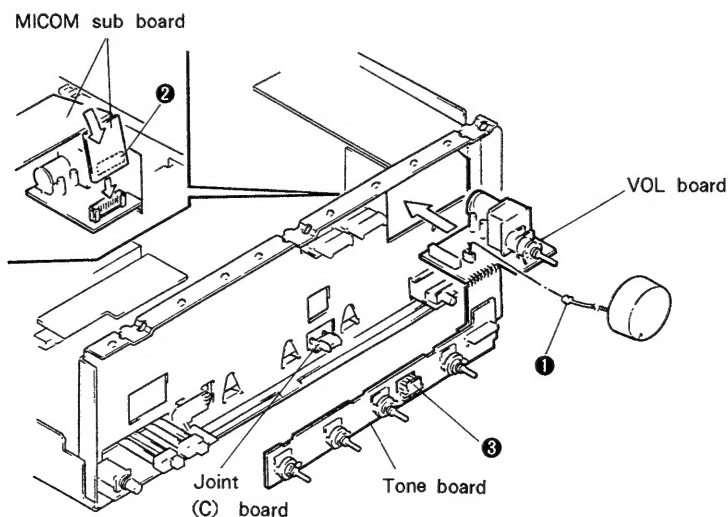
(Step 2)

- 1) Remove connector ❶ of the VOL board.
- 2) Pull control ❷ of the master volume control out and remove nut ❸.
- 3) Pull control ❹ and remove all nuts ❺.
- 4) Remove the control panel and shield plate ❻.



(Step 3)

- 1) Set connector ❸ and attach the volume control.
- 2) Set the VOL and tone boards back to the previous positions.
- 3) Connect connector ❸ of the tone board to the joint (C) board.
- 4) Connect connector ❷ of the MICOM SUB board to the VOL board.
- 5) Check the boards from the parts side.





## SECTION 3

### ELECTRICAL ADJUSTMENTS

#### DC Bias Adjustment

Perform this adjustment when replacing the transistors of the power amplifier.

#### Setup :

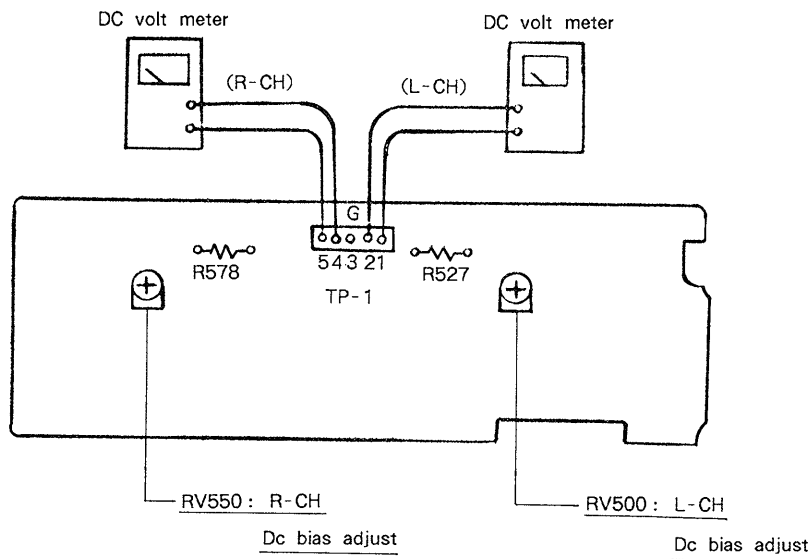
- No signal (no load)
- Minimum Volume

#### Procedure :

1. Connect the DC volt meter to the TP-1 (CN500).
2. After the power is turned on, complete within 30 seconds to adjust RV500 (L-CH) and RV550 (R-CH) so that the bias voltage becomes 1 mV.

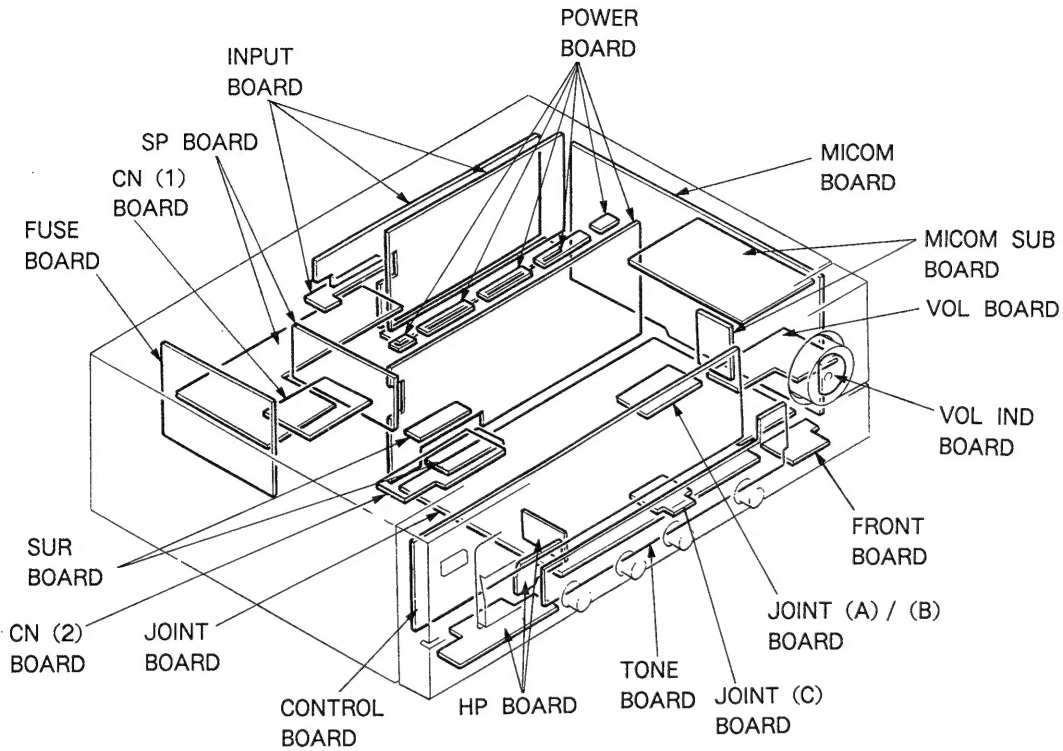
Note : This adjustment must be completed within 30 seconds.

— Adjustment Location —  
Power board



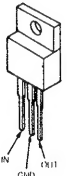
## SECTION 4 DIAGRAMS

### 4-1. CIRCUIT BOARDS LOCATION

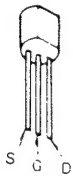


### 4-2. SEMICONDUCTOR LEAD LAYOUTS

M5F7805  
RC7809FA



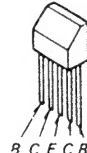
2SK246Y



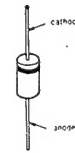
DTA124ES  
DTC124ES  
2SC2603-EF



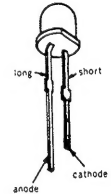
2SA979-FG



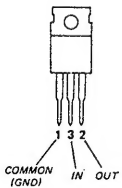
HZ4ALL  
1S1585



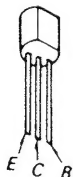
SEL2510C  
SEL2810D-C  
SEL2810D-D



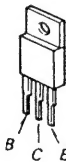
M5F7805  
M5F7909



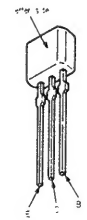
2SA733  
2SC1841-PAFAEA  
2SC3622A-LK



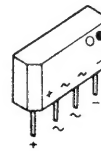
2SA1383  
2SA985A-QP  
2SC2275A-QP  
2SC3514



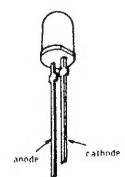
2SA1175



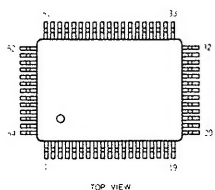
S1VB40



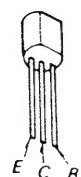
SEL1810D-C  
SEL2210R-C



UPD75106GF



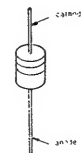
2SA988-F



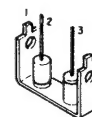
2SD2012




HZS6B1L  
HZS6C3L  
1SS120  
11ES2



D300



#### 4-3. IC804 (μPD75106-741-3BE) PIN FUNCTION

PIN No.	Port	I/O	Normal	Active	Description
1	P41	O	L	H	Surround SP relay
2	P40	O	L	H	LINK SP relay
3	P53				NC
4	P52				NC
5	P51	O	H	L	Motor volume Control : down
6	P50	O	H	L	Motor volume Control : up
7		I			RESET
8					X1 } EXIT CRYSTAL (CLOCK)
9					X2 }
10	P63	O			NC
11	P62	O	X	X	Serial control SECK
12	P61	O	L	H	Digital delay REQ
13	P60	O	H	L	SEDATA
14	P73	O	L	H	LINK
15	P72	O	L	H	Surround sound VCL CK FUNC CL
16	P71	O	L	H	Serial data DATA Serial data DI
17	P70	O	L	H	ST - CE
18	P83	O	L	H	Serial CKS for LED driver
19	P82	O	L	H	Serial CKL for LED driver
20	P81	O	H	L	Serial $\overline{OE}$ for LED driver
21	P80	O	L	H	Serial A for LED driver
22	P93	O	L	H	} Key scan output
23	P92	O	L	H	
24	P91	O	L	H	
25	P90	O	L	H	
27	P13/INT3	I	H	L	POWER SW
28	P12/INT2	I	H	L	Protect (SP relay off = "L")
29	P11/INT1	I	L	H	MAIN SIRCS input (serial data)
30	P10/INT0	I	L	H	SUB SIRCS input (serial data)
31	PTH03	I	L	H	} Key matrix input
32	PTH02	I	L	H	
33	PTH01	I	L	H	
34	PTH00	I	L	H	
35	TI0	I	L	H	
36	TI1				GND
37	P23	O	X	X	VIDEO SW : A
38	P22/POL	O	X	X	VIDEO SW : B
39	P21/PT01	O	H	-	MONITOR - MUTE
40	P20/PT00	O	L	H	READY IND "L" = ON
41	P03/SI	I	X	X	DBFB/MUTE mode input
42	P02/SC				LINK
43	P01/SCK				GND
44	P00/INT4	I	H		STOP input

PIN No.	Port	I/O	Normal	Active	Description
45	P123	O	X	X	Surround sound mode switch S <sub>4</sub>
46	P122	O	X	X	Surround sound mode switch S <sub>3</sub>
47	P121	O	X	X	Surround sound mode switch S <sub>2</sub>
48	P120	O	X	X	Surround sound mode switch S <sub>1</sub>
49	P133	O	X	X	LINK FUNCTION SW 4
50	P132	O	X	X	LINK FUNCTION SW B
51	P131	O	L	H	TAPE REC OFF
52	P130	O	H	L	NC
53	P143	O	L	H	VIDEO 1 REC OFF
54	P142	O	L	H	VIDEO 2 REC OFF
55	P141	O	H	L	Front line mute
56	P140	O	H	L	Surround sound (LINK) line mute
58					VDD Power Supply : 5V
59	P33	O	H	L	DRFB SW (ON = "L")
60	P32	O	H	L	TC PAUSE
61	P31	O	X	X	Surround sound mode SW S <sub>5</sub>
62	P30	O	L	H	LINK SW (LINK ON = "H")
63	P43	O	L	H	Power supply relay (ON = "H")
64	P42	O	L	H	Front SP relay

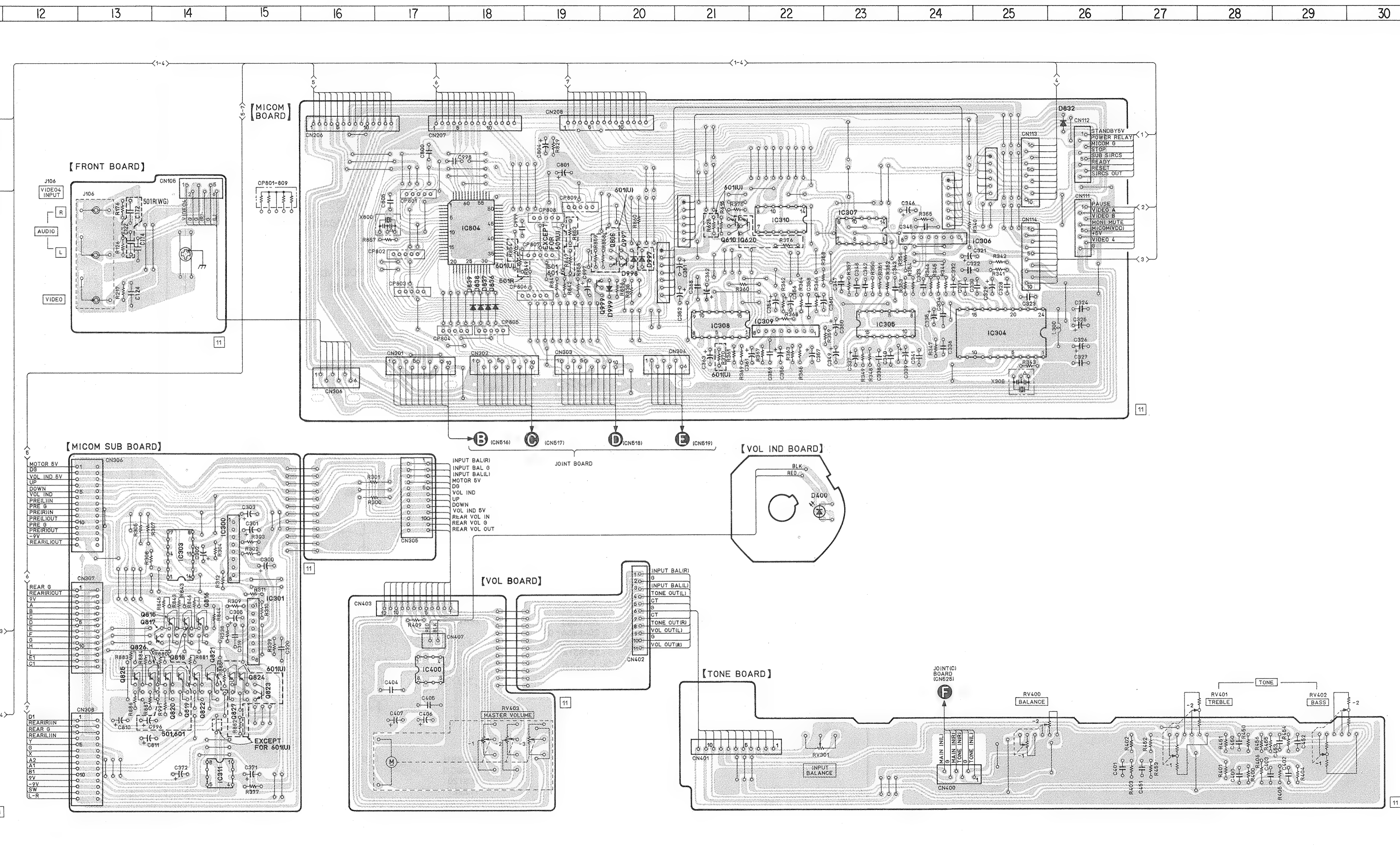
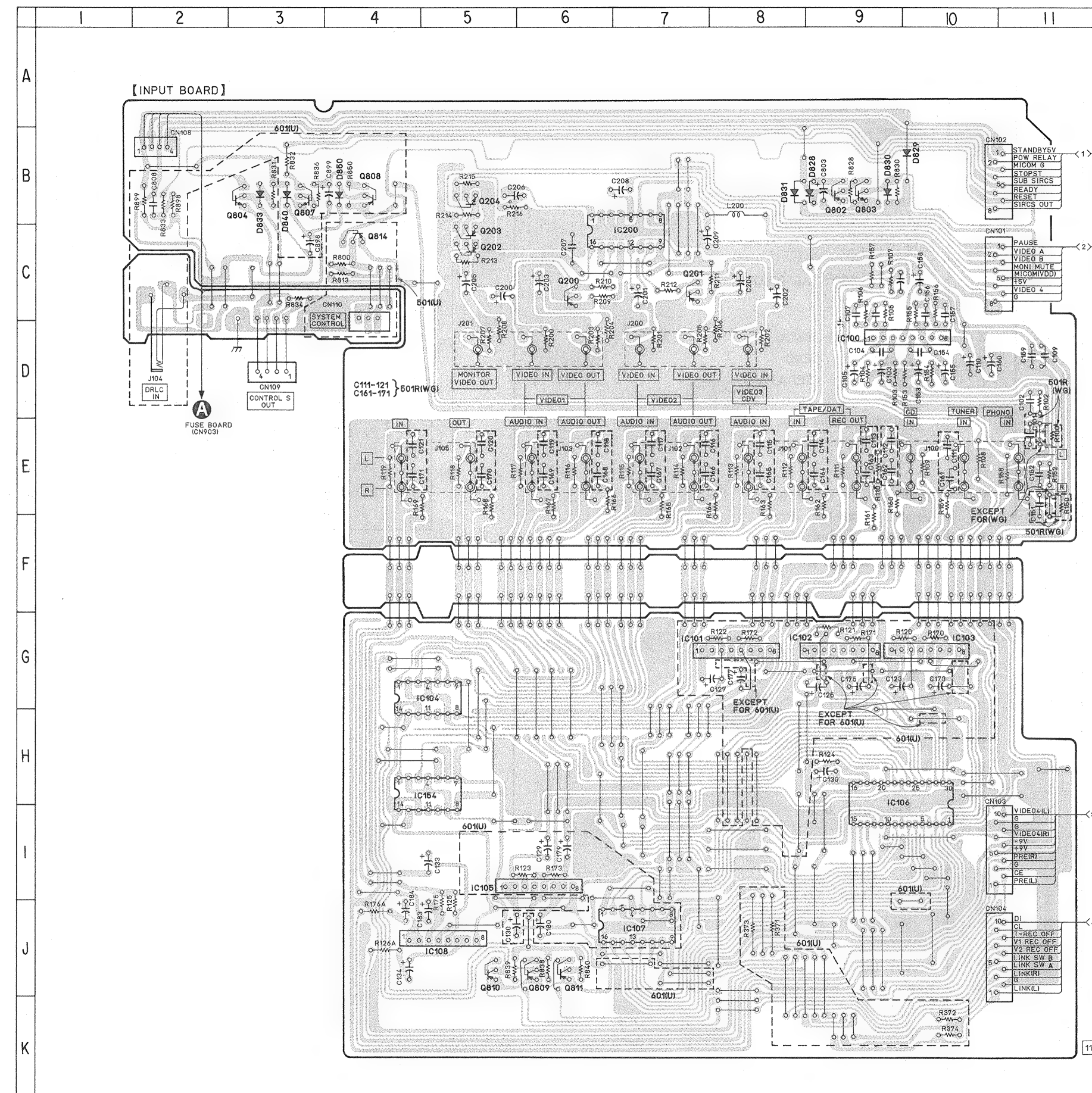


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D400	G-22	IC309	E-22
D828	B-9	IC310	C-22
D829	B-10	IC311	J-14
D830	B-9	IC400	I-17
D831	B-8	IC804	C-18
D832	B-26		
D833	B-3	Q200	C-6
D836	D-18	Q201	C-7
D837	D-18	Q202	C-5
D838	D-18	Q203	C-5
D839	D-18	Q204	B-5
D840	B-3	Q610	C-21
D850	B-4	Q620	C-21
D997	D-20	Q802	B-9
D998	D-20	Q803	B-9
D999	D-20	Q804	B-3
		Q806	D-20
IC100	D-9	Q807	B-3
IC101	G-8	Q808	B-4
IC102	G-9	Q809	J-6
IC103	G-10	Q810	J-5
IC104	G-5	Q811	J-6
IC105	I-6	Q815	H-14
IC106	H-9	Q816	H-14
IC107	J-7	Q817	I-14
IC108	J-5	Q818	H-14
IC154	H-5	Q819	I-14
IC200	C-7	Q820	I-14
IC300	G-14	Q821	I-14
IC301	I-15	Q822	I-14
IC303	H-14	Q823	I-15
IC304	F-25	Q824	I-15
IC305	C-23	Q825	I-13
IC306	C-23	Q826	I-13
IC307	C-23	Q827	I-15
IC308	E-21		

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : Jumper wire connected to the ground pattern the component side.





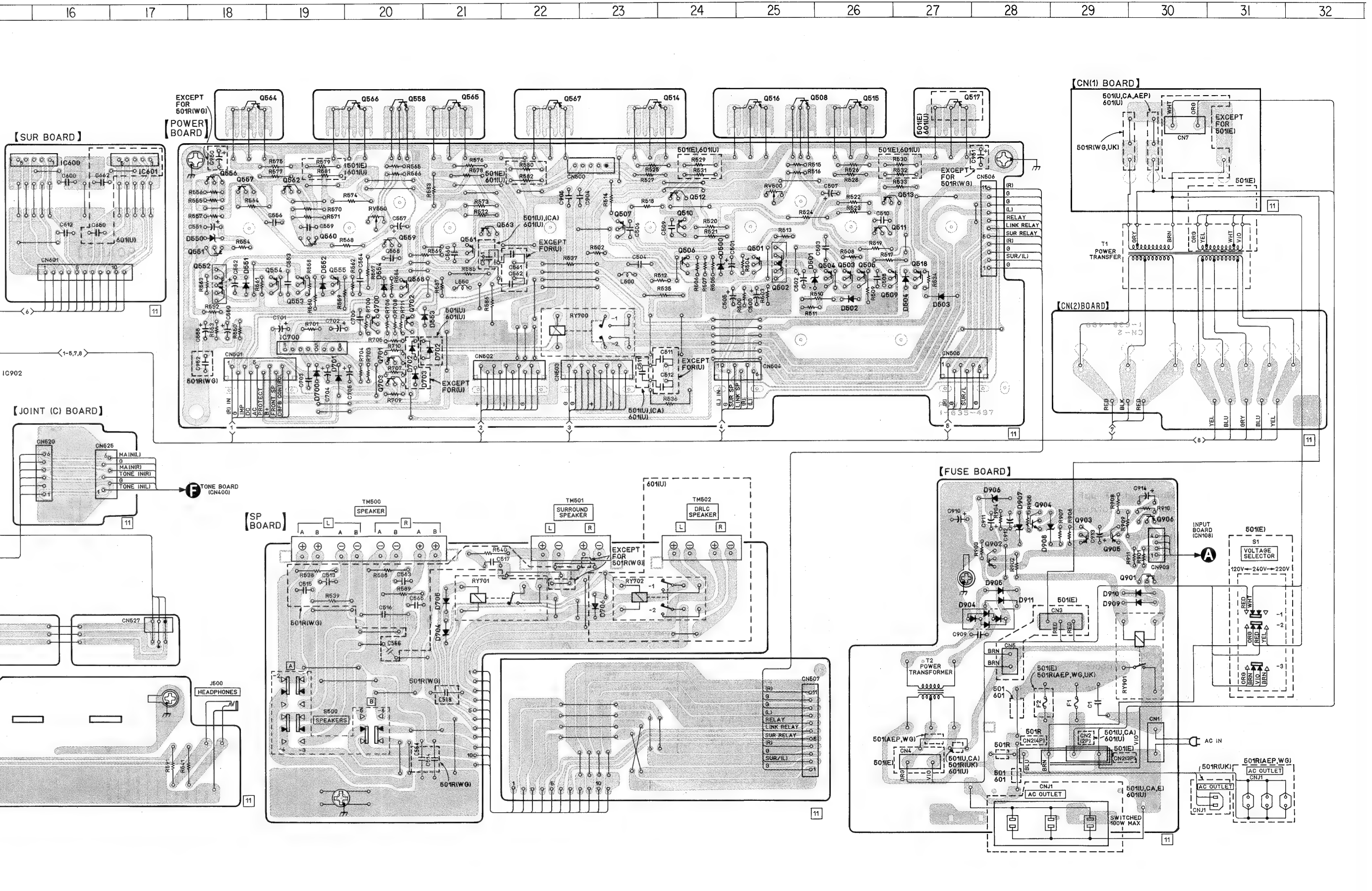
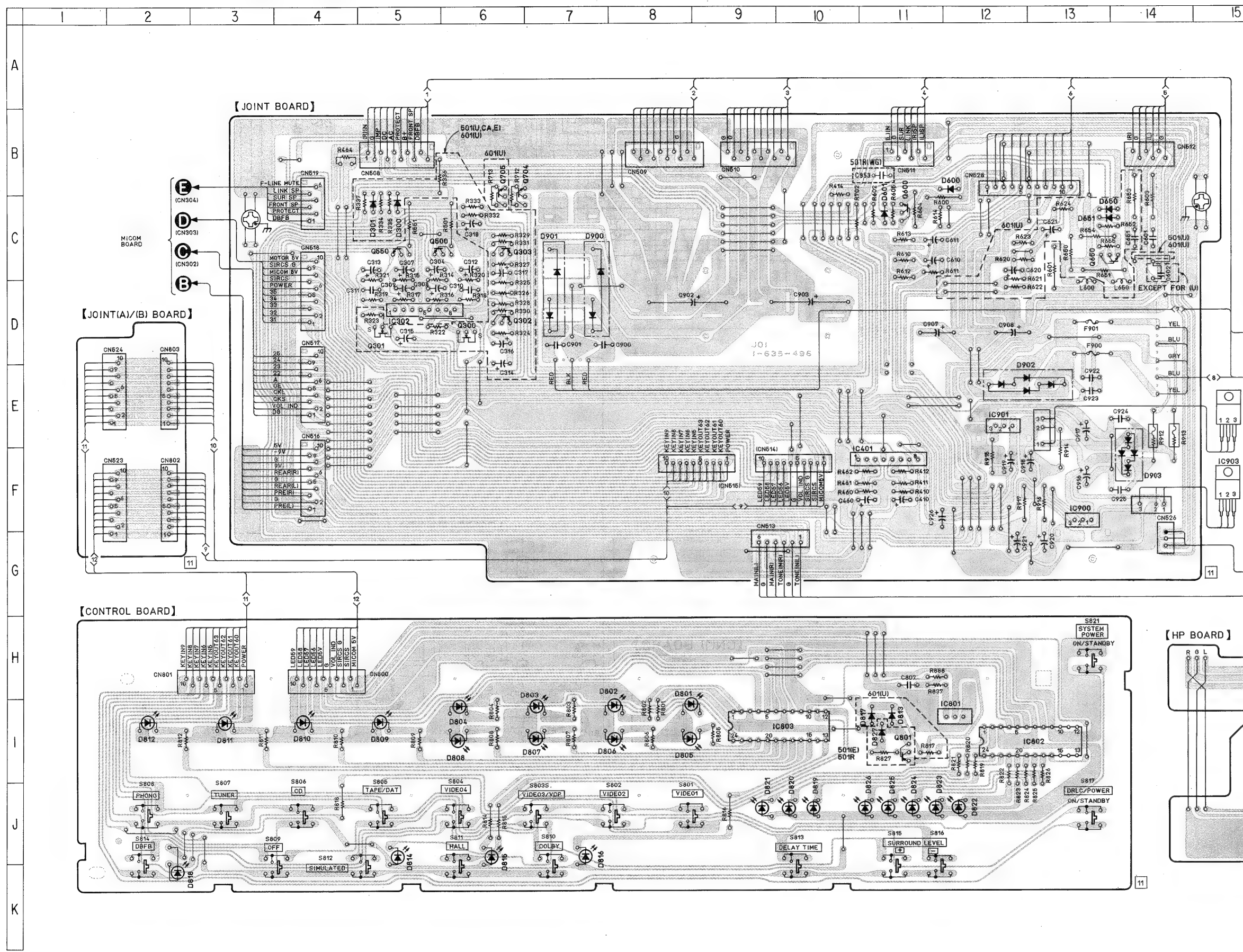




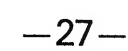
Semiconductor Location			
Ref. No.	Location	Ref. No.	Location
D300	C-5	IC600	B-16
D301	C-5	IC700	F-19
D500	D-24	IC801	I-12
D501	D-25	IC802	I-12
D502	D-26	IC803	I-9
D503	D-27	IC900	F-13
D504	D-27	IC901	F-12
D550	C-18	IC902	F-15
D551	D-18	IC903	F-15
D552	D-19		
D553	D-21	Q300	D-6
D554	D-20	Q301	D-5
D600	B-12	Q302	D-6
D601	C-11	Q303	C-6
D650	C-13	Q500	C-5
D651	C-13	Q501	D-25
D700	E-19	Q502	D-25
D701	E-19	Q503	D-26
D702	E-20	Q504	D-26
D703	E-20	Q505	D-26
D704	H-21	Q506	C-24
D705	H-21	Q507	C-23
D706	H-23	Q508	B-25
D801	I-8	Q509	D-26
D802	H-7	Q510	C-24
D803	I-7	Q511	C-26
D804	I-6	Q512	C-24
D805	I-8	Q513	C-26
D806	H-7	Q514	B-24
D807	I-7	Q515	B-26
D808	I-6	Q516	B-25
D809	I-5	Q517	B-27
D810	I-4	Q518	D-27
D811	I-3	Q550	C-5
D812	I-2	Q551	D-18
D813	I-11	Q552	D-18
D814	J-5	Q553	D-19
D815	J-6	Q554	D-19
D816	J-7	Q555	D-19
D817	I-11	Q556	C-18
D818	K-2	Q557	C-18
D819	J-10	Q559	C-20
D820	J-10	Q560	C-19
D821	J-9	Q561	C-21
D822	J-12	Q562	C-19
D823	J-11	Q563	C-21
D824	J-11	Q564	B-18
D825	J-11	Q565	B-21
D826	J-11	Q566	B-20
D827	I-11	Q567	B-22
D900	C-7	Q568	D-20
D901	C-7	Q600	C-11
D902	E-12	Q650	C-13
D903	F-14	Q700	D-20
D904	H-27	Q701	F-20
D905	H-28	Q702	D-20
D906	G-28	Q703	F-20
D907	G-28	Q704	B-7
D908	G-28	Q705	B-6
D909	H-30	Q801	I-11
D910	H-30	Q902	G-28
D911	H-28	Q903	G-29
IC302	D-5	Q905	G-28
IC401	F-11	Q906	G-30

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : Jumper wire connected to the ground pattern on the component side.



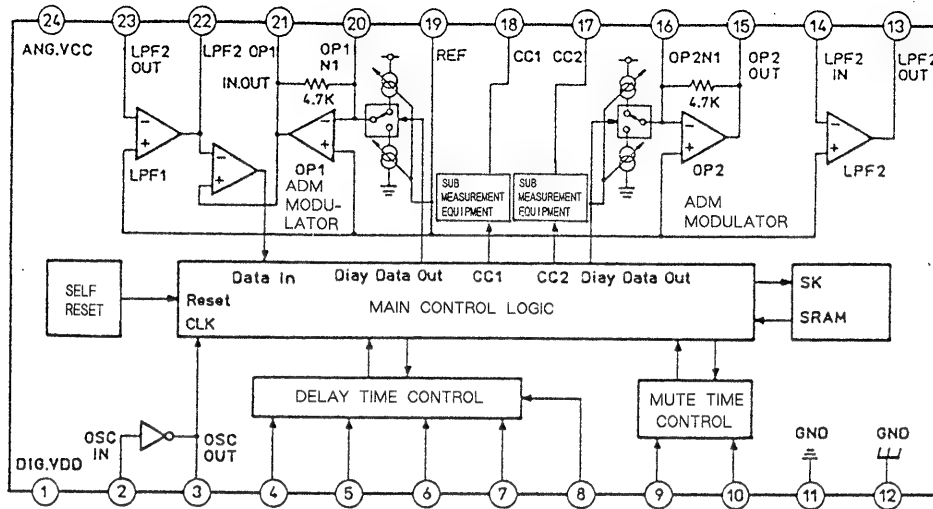
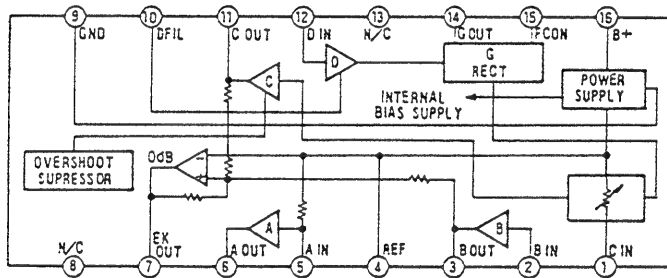
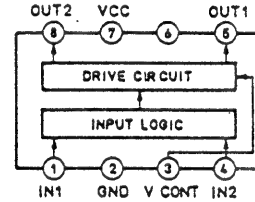
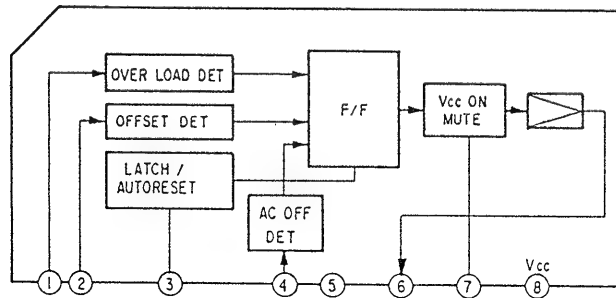








## IC BLOCK DIAGRAM

IC304  
M50198PIC305  
NE646NIC400  
LB1639IC700  
 $\mu$  PC1237HA

## SECTION 5

### EXPLODED VIEWS

**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

- Color Indication of Appearance Parts  
Example:

(RED) ... KNOB, BALANCE (WHITE)



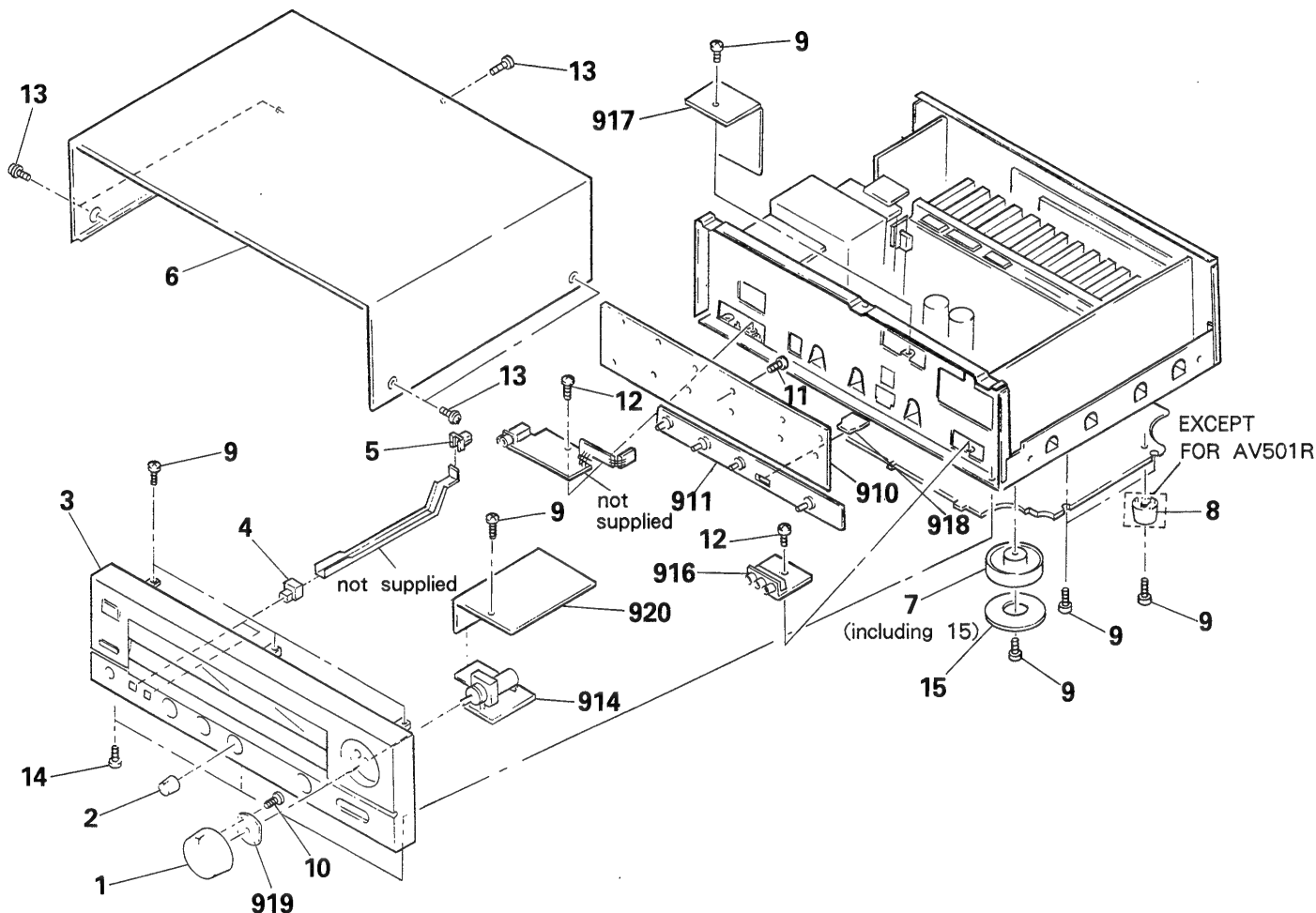
Cabinet's Color



Parts' Color

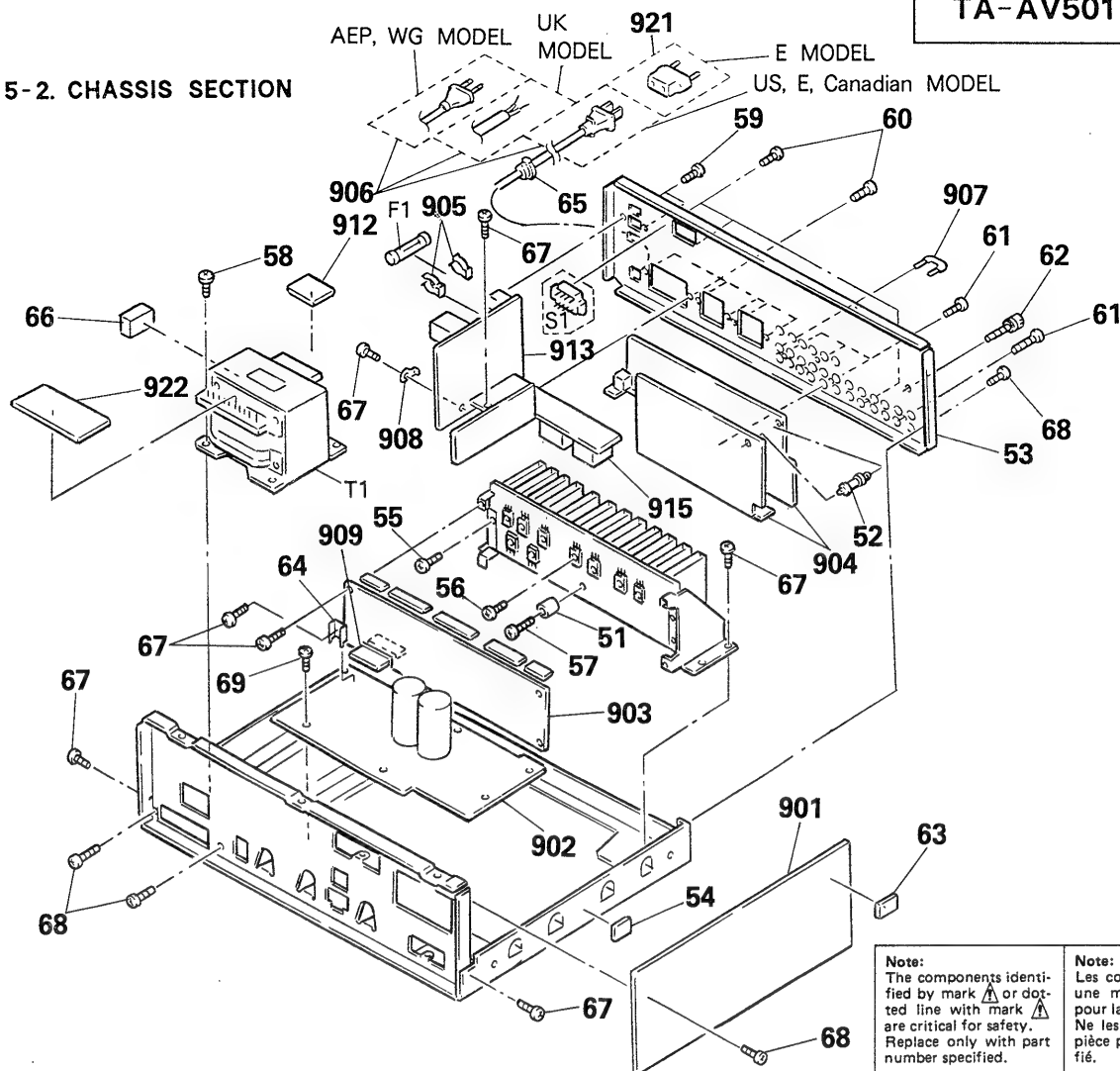
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**5-1. FRONT PANEL SECTION**

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-929-288-01	KNOB (VOL 47)		11	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
2	4-927-863-01	KNOB (RT8)		12	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
3	X-4911-216-1	(AV601).....PANEL ASSY, FRONT		13	3-704-366-01	SCREW (CASE) (M3X8)	
	X-4911-217-1	(AV501:US,Canadian)....PANEL ASSY, FRONT		14	7-682-548-09	SCREW +BVTT 3X8 (S)	
	X-4911-222-1	(AV501R).....PANEL ASSY, FRONT		15	4-923-836-11	CUSHION	
	X-4911-223-1	(AV501:E).....PANEL ASSY, FRONT		910	*1-635-500-11	PC BOARD, CONTROL	
4	4-904-902-51	KNOB, SPEAKER		911	*1-635-501-11	PC BOARD, TONE	
5	4-866-342-00	JOINT (B), KNOB		914	*1-635-505-11	PC BOARD, VOL	
6	4-931-031-11	CASE		916	*1-635-508-11	PC BOARD, FRONT	
7	X-3304-938-2	(AV501:E/AV501R).....FOOT ASSY	15	917	*1-635-509-11	PC BOARD, JOINT (A/B)	
	X-4885-950-1	(AV501:US,Canadian/AV601)....FOOT ASSY	15	918	*1-635-510-11	PC BOARD, JOINT (C)	
8	4-930-848-01	(EXCEPT AV501R)....FOOT		919	*1-635-511-11	PC BOARD, VOL IND	
9	7-682-548-04	SCREW +BVTT 3X8 (S)		920	*1-635-770-11	PC BOARD, MICRO SUB	
10	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S					

## 5-2. CHASSIS SECTION



**Note:**  
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:**  
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	4-855-006-21	SPACER (DIA. 3)		903	*A-4334-556-A	(AV601).....MOUNTED PCB, POWER	
52	*3-682-419-11	HOLDER, P.C.B			*A-4334-596-A	(AV501:US).....MOUNTED PCB, POWER	
53	*4-927-896-01	(AV601).....PANEL, BACK			*A-4334-597-A	(AV501:Canadian)....MOUNTED PCB, POWER	
	*4-927-896-11	(AV501:US).....PANEL, BACK			*A-4334-598-A	(AV501R:UK,AEP)....MOUNTED PCB, POWER	
	*4-927-896-21	(AV501:Canadian)....PANEL, BACK			*A-4334-599-A	(AV501R:WG).....MOUNTED PCB, POWER	
	*4-927-896-41	(AV501R:AEP).....PANEL, BACK			*A-4334-600-A	(AV501:E).....MOUNTED PCB, POWER	
	*4-927-896-51	(AV501R:WG).....PANEL, BACK		904	*A-4334-570-A	(AV601).....MOUNTED PCB, INPUT	
	*4-927-896-61	(AV501R:UK).....PANEL, BACK			*A-4334-616-A	(AV501:US).....MOUNTED PCB, INPUT	
	*4-927-896-71	(AV501:E).....PANEL, BACK			*A-4334-617-A	(AV501:Canadian,E/501R:UK,AEP).....MOUNTED PCB, INPUT	
54	9-911-840-XX	CUSHION			*A-4334-618-A	(AV501R:WG)....MOUNTED PCB, INPUT	
55	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		905	1-533-225-11	HOLDER, FUSE	
56	7-682-548-09	SCREW +B 3X8		906	$\Delta$ 1-574-804-11	(AV501R:UK).....CORD, POWER	
57	7-682-553-09	SCREW +B 3X20			$\Delta$ 1-574-805-11	(AV501R:AEP,WG).....CORD, POWER	
58	7-682-561-04	SCREW +BVTT 4X8 (S)			$\Delta$ 1-574-902-11	(AV501:E).....CORD, POWER	
59	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S			$\Delta$ 1-575-105-11	(AV501:US,Canadian/AV601)....CORD, POWER	
60	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		907	1-535-530-11	PLUG, JUMPER	
61	7-621-849-00	SCREW, TAPPING		908	4-870-539-00	PLATE, GROUND	
62	3-706-165-00	SCREW		909	*1-635-498-11	PC BOARD, SUR	
63	*4-908-810-12	CUSHION		912	*1-635-503-11	PC BOARD, CN (1)	
64	*3-309-144-21	HEAT SINK		913	*1-635-504-11	PC BOARD, FUSE	
65	*3-703-244-00	(EXCEPT AV501:E)....BUSHING (2104), CORD		915	*1-635-506-11	PC BOARD, SP	
	*3-703-571-11	(AV501:E).....BUSHING (S)(4516), CORD		921	1-569-007-11	(AV501:E)....ADAPTOR CONVERSION 2P	
66	*3-720-698-01	SPACER (SMALL), NA		922	*1-635-499-11	PC BOARD, CN (2)	
67	7-682-548-04	SCREW +BVTT 3X8 (S)		F1	$\Delta$ 1-532-237-11	(AV501R).....FUSE, TIME-LAG 3.15A	
68	7-682-548-09	SCREW +BVTT 3X8 (S)			$\Delta$ 1-532-748-11	(AV501:US,Canadian)....FUSE, TIME-LAG 6.3A	
69	4-886-821-11	SCREW, STIGHT, +PTWH 3X6			$\Delta$ 1-532-749-11	(AV601).....FUSE, GLASS TUBE 8A	
901	*A-4334-560-A	(AV601)....MOUNTED PCB, MICOM			$\Delta$ 1-532-350-00	(AV501:E).....FUSE, TIME-LAG 4A	
	*A-4334-608-A	(AV501)....MOUNTED PCB, MICOM		S1	$\Delta$ 1-571-515-11	(AV501:E)....SWITCH, POWER VOLTAGE SELECTION	
	*A-4334-609-A	(AV501R)....MOUNTED PCB, MICOM		T1	$\Delta$ 1-450-108-11	(AV601).....TRANSFORMER, POWER	
902	*A-4334-557-A	(AV601).....MOUNTED PCB, JOINT			$\Delta$ 1-450-109-11	(AV501:US,Canadian)....TRANSFORMER, POWER	
	*A-4334-601-A	(AV501:US).....MOUNTED PCB, JOINT			$\Delta$ 1-450-110-11	(AV501:E).....TRANSFORMER, POWER	
	*A-4334-602-A	(AV501:Canadian)....MOUNTED PCB, JOINT			$\Delta$ 1-450-111-11	(AV501R:AEP,UK).....TRANSFORMER, POWER	
	*A-4334-603-A	(AV501R:UK,AEP)....MOUNTED PCB, JOINT			$\Delta$ 1-450-112-11	(AV501R:WG).....TRANSFORMER, POWER	
	*A-4334-604-A	(AV501R:WG).....MOUNTED PCB, JOINT					
	*A-4334-605-A	(AV501:E).....MOUNTED PCB, JOINT					





Ref.No.	Part No.	Description				
C166	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C167	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C168	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C169	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C170	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C171	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C172	1-162-286-11	(AV501R:WG)..CERAMIC	220PF	10%	50V	
C173	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V	
C174	1-162-306-11	CERAMIC	0.01MF	20%	16V	
C175	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V	
C177	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V	
C179	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V	
C180	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V	
C183	1-124-927-11	ELECT	4.7MF	20%	50V	
C184	1-124-927-11	ELECT	4.7MF	20%	50V	
C200	1-124-927-11	ELECT	4.7MF	20%	50V	
C201	1-124-927-11	ELECT	4.7MF	20%	50V	
C202	1-124-927-11	ELECT	4.7MF	20%	50V	
C203	1-124-471-00	ELECT	1000MF	20%	6.3V	
C204	1-124-471-00	ELECT	1000MF	20%	6.3V	
C205	1-124-471-00	ELECT	1000MF	20%	6.3V	
C206	1-123-875-11	ELECT	10MF	20%	50V	
C207	1-161-494-00	CERAMIC	0.022MF		25V	
C208	1-124-927-11	ELECT	4.7MF	20%	50V	
C209	1-124-443-00	ELECT	100MF	20%	6.3V	
C300	1-124-927-11	ELECT	4.7MF	20%	50V	
C301	1-124-927-11	ELECT	4.7MF	20%	50V	
C302	1-124-927-11	ELECT	4.7MF	20%	50V	
C303	1-124-927-11	ELECT	4.7MF	20%	50V	
C304	1-124-927-11	ELECT	4.7MF	20%	50V	
C305	1-124-927-11	ELECT	4.7MF	20%	50V	
C307	1-124-927-11	ELECT	4.7MF	20%	50V	
C308	1-124-477-11	ELECT	47MF	20%	16V	
C309	1-124-477-11	ELECT	47MF	20%	16V	
C310	1-162-211-31	CERAMIC	33PF	5%	50V	
C311	1-162-211-31	CERAMIC	33PF	5%	50V	
C312	1-124-927-11	ELECT	4.7MF	20%	50V	
C313	1-124-927-11	ELECT	4.7MF	20%	50V	
C314	1-124-791-11	(AV501:E/AV601)..ELECT	1MF	20%	50V	
C314	1-124-902-11	(AV501:US,Canadian/AV501R) ...ELECT	0.47MF	20%	50V	
C315	1-124-791-11	(AV501:E/AV601)..ELECT	1MF	20%	50V	
C315	1-124-902-11	(AV501:US,Canadian/AV501R) ...ELECT	0.47MF	20%	50V	
C316	1-124-791-11	(AV501/AV601)...ELECT	1MF	20%	50V	
C317	1-124-791-11	(AV501/AV601)...ELECT	1MF	20%	50V	
C318	1-124-791-11	(AV501/AV601)...ELECT	1MF	20%	50V	
C319	1-162-282-31	CERAMIC	100PF	10%	50V	
C320	1-162-282-31	CERAMIC	100PF	10%	50V	
C321	1-126-163-11	ELECT	4.7MF	20%	50V	
C322	1-106-353-00	(AV501R).....MYLAR	0.0027MF	5%	50V	
C322	1-130-476-00	(AV501/AV601)...MYLAR	0.0027MF	5%	50V	
C323	1-106-343-00	(AV501R).....MYLAR	0.001MF	5%	50V	
C323	1-130-471-00	(AV501/AV601)...MYLAR	0.001MF	5%	50V	
C324	1-136-742-11	FILM	0.1MF	5%	50V	
C325	1-126-177-11	ELECT	100MF	20%	6.3V	
C326	1-126-157-11	ELECT	10MF	20%	16V	
C327	1-136-742-11	FILM	0.1MF	5%	50V	
C328	1-136-742-11	FILM	0.1MF	5%	50V	
C329	1-124-446-11	(AV501R).....ELECT	47MF	20%	10V	
C329	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C330	1-136-742-11	FILM	0.1MF	5%	50V	
C331	1-136-742-11	FILM	0.1MF	5%	50V	
C332	1-136-742-11	FILM	0.1MF	5%	50V	
C333	1-130-480-00	MYLAR	0.0056MF	5%	50V	
C334	1-162-291-31	CERAMIC	560PF	10%	50V	
C335	1-126-163-11	ELECT	4.7MF	20%	50V	
C336	1-136-738-11	FILM	0.01MF	5%	50V	
C337	1-136-840-11	FILM	0.33MF	5%	50V	
C338	1-136-742-11	FILM	0.1MF	5%	50V	
C339	1-126-157-11	ELECT	10MF	20%	16V	
C340	1-136-738-11	FILM	0.01MF	5%	50V	
C341	1-136-834-11	FILM	0.047MF	5%	50V	
C342	1-106-359-00	(AV501R).....MYLAR	0.0047MF	5%	50V	
C342	1-130-479-00	(AV501/AV601)...MYLAR	0.0047MF	5%	50V	
C343	1-162-290-31	CERAMIC	470PF	10%	50V	
C345	1-162-211-31	CERAMIC	33PF	5%	50V	
C346	1-126-163-11	ELECT	4.7MF	20%	50V	
C347	1-130-480-00	MYLAR	0.0056MF	5%	50V	
C348	1-136-158-00	FILM	0.027MF	5%	50V	
C349	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C350	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C351	1-124-446-11	(AV501R).....ELECT	47MF	20%	10V	
C351	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C352	1-124-446-11	(AV501R).....ELECT	47MF	20%	10V	
C352	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C354	1-126-163-11	ELECT	4.7MF	20%	50V	
C355	1-126-163-11	ELECT	4.7MF	20%	50V	
C356	1-124-446-11	(AV501R).....ELECT	47MF	20%	10V	
C356	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C357	1-124-446-11	(AV501R).....ELECT	47MF	20%	10V	
C357	1-124-589-11	(EXCEPT AV501R)...ELECT	47MF	20%	10V	
C358	1-162-282-31	CERAMIC	100PF	10%	50V	
C359	1-162-282-31	CERAMIC	100PF	10%	50V	
C360	1-126-163-11	ELECT	4.7MF	20%	50V	
C361	1-126-163-11	ELECT	4.7MF	20%	50V	
C362	1-126-163-11	ELECT	4.7MF	20%	50V	
C363	1-126-163-11	ELECT	4.7MF	20%	50V	
C368	1-161-375-00	CERAMIC	0.0022MF	20%	16V	
C371	1-124-927-11	ELECT	4.7MF	20%	50V	
C372	1-124-927-11	ELECT	4.7MF	20%	50V	
C400	1-130-474-00	MYLAR	0.0018MF	5%	50V	
C401	1-106-363-00	MYLAR	0.0068MF	5%	50V	
C402	1-106-359-00	MYLAR	0.0047MF	5%	50V	
C403	1-130-489-00	MYLAR	0.033MF	5%	50V	
C404	1-162-306-11	CERAMIC	0.01MF	20%	16V	
C405	1-162-306-11	CERAMIC	0.01MF	20%	16V	
C406	1-124-925-11	ELECT	2.2MF	20%	50V	
C407	1-124-925-11	ELECT	2.2MF	20%	50V	
C410	1-124-927-11	ELECT	4.7MF	20%	50V	
C411	1-124-927-11	ELECT	4.7MF	20%	50V	
C450	1-130-474-00	MYLAR	0.0018MF	5%	50V	


Ref.No.	Part No.	Description			
C451	1-106-363-00	MYLAR	0.0068MF	5%	50V
C452	1-106-359-00	MYLAR	0.0047MF	5%	50V
C453	1-136-159-00	FILM	0.033MF	5%	50V
C460	1-124-927-11	ELECT	4.7MF	20%	50V
C461	1-124-927-11	ELECT	4.7MF	20%	50V
C500	1-124-927-11	ELECT	4.7MF	20%	50V
C501	1-124-446-11	ELECT	47MF	20%	10V
C502	1-124-446-11	ELECT	47MF	20%	10V
C503	1-162-292-31	CERAMIC	680PF	10%	50V
C504	1-162-197-31	CERAMIC	6.8PF	10%	50V
C505	1-124-443-00	ELECT	100MF	20%	10V
C506	1-161-959-00	CERAMIC	22PF	10%	500V
C507	1-124-446-11	ELECT	47MF	20%	10V
C508	1-161-959-00	CERAMIC	22PF	10%	500V
C509	1-130-483-00	MYLAR	0.01MF	5%	50V
C510	1-130-483-00	MYLAR	0.01MF	5%	50V
C511	1-130-489-00	(AV501:US,Canadian/AV601)			
		...MYLAR	0.033MF	5%	50V
C511	1-130-493-00	(AV501:E/AV501R)...MYLAR	0.068MF	5%	50V
C512	1-130-489-00	(AV501:Canadian)...MYLAR	0.033MF	5%	50V
C512	1-130-493-00	(AV501:E/AV501R)...MYLAR	0.068MF	5%	50V
C513	1-130-483-00	(AV501R:WG)...MYLAR	0.01MF	5%	50V
C514	1-130-487-00	(AV501R:WG)...MYLAR	0.022MF	5%	50V
C515	1-130-483-00	(AV501R:WG)...MYLAR	0.01MF	5%	50V
C516	1-130-487-00	(AV501R:WG)...MYLAR	0.022MF	5%	50V
C517	1-130-483-00	(AV501R:WG)...MYLAR	0.01MF	5%	50V
C518	1-161-494-00	(AV501R:WG)...CERAMIC	0.022MF		25V
C550	1-124-927-11	ELECT	4.7MF	20%	50V
C551	1-124-446-11	ELECT	47MF	20%	10V
C552	1-124-446-11	ELECT	47MF	20%	10V
C553	1-162-292-31	CERAMIC	680PF	10%	50V
C554	1-162-197-31	CERAMIC	6.8PF	10%	50V
C555	1-124-443-00	ELECT	100MF	20%	10V
C556	1-161-959-00	CERAMIC	22PF	10%	500V
C557	1-124-446-11	ELECT	47MF	20%	10V
C558	1-161-959-00	CERAMIC	22PF	10%	500V
C559	1-130-483-00	MYLAR	0.01MF	5%	50V
C560	1-130-483-00	MYLAR	0.01MF	5%	50V
C561	1-130-493-00	(AV501:E/AV501R)...MYLAR	0.068MF	5%	50V
C561	1-130-489-00	(AV501:US,Canadian/AV601)			
		...MYLAR	0.033MF	5%	50V
C562	1-130-489-00	(AV501:Canadian)...MYLAR	0.033MF	5%	50V
C562	1-130-493-00	(AV501:E/AV501R)...MYLAR	0.068MF	5%	50V
C563	1-130-483-00	MYLAR	0.01MF	5%	50V
C564	1-130-487-00	MYLAR	0.022MF	5%	50V
C565	1-130-483-00	MYLAR	0.01MF	5%	50V
C566	1-130-487-00	(AV501R:WG)...MYLAR	0.022MF	5%	50V
C600	1-130-495-00	MYLAR	0.1MF	5%	50V
C601	1-130-489-00	(AV501:US/AV601)...MYLAR	0.033MF	5%	50V
C601	1-130-493-00	(AV501:E,Canadian/AV501R)			
		...MYLAR	0.068MF	5%	50V
C602	1-130-493-00	(AV501:E,Canadian/AV501R)			
		...MYLAR	0.068MF	5%	50V
C610	1-124-927-11	ELECT	4.7MF	20%	50V
C611	1-124-910-11	ELECT	47MF	20%	50V

Ref.No.	Part No.	Description			
C612	1-123-875-11	ELECT	10MF	20%	50V
C620	1-124-927-11	(AV601)...ELECT	4.7MF	20%	50V
C621	1-124-910-11	(AV601)...ELECT	47MF	20%	50V
C650	1-130-495-00	(AV601)...MYLAR	0.1MF	5%	50V
C651	1-130-489-00	(AV601)...MYLAR	0.033MF	5%	50V
C662	1-123-875-11	(AV601)...ELECT	10MF	20%	50V
C700	1-161-494-00	CERAMIC	0.022MF		25V
C701	1-124-477-11	ELECT	47MF	20%	16V
C702	1-124-443-00	ELECT	100MF	20%	6.3V
C703	1-161-494-00	CERAMIC	0.022MF		25V
C704	1-123-875-11	ELECT	10MF	20%	50V
C705	1-124-477-11	ELECT	47MF	20%	16V
C800	1-136-742-11	FILM	0.1MF	5%	50V
C801	1-126-177-11	ELECT	100MF	20%	6.3V
C802	1-161-494-00	CERAMIC	0.022MF		25V
C803	1-124-902-00	(AV501:E/AV601/AV501R:UK,AEP)			
		...ELECT	0.47MF	20%	50V
C804	1-125-444-11	DOUBLE LAYERS	0.1F		5.5V
C805	1-136-742-11	FILM	0.1MF	5%	50V
C807	1-162-294-31	CERAMIC	0.001MF	10%	50V
C808	1-162-294-31	(AV601)...CERAMIC	0.001MF	10%	50V
C810	1-124-902-00	(AV501:E/AV601/AV501R)			
		...ELECT	0.47MF	20%	50V
C811	1-123-875-11	ELECT	10MF	20%	50V
C898	1-124-477-11	(AV601)...ELECT	47MF	20%	16V
C899	1-124-477-11	(AV601)...ELECT	47MF	20%	16V
C900	1-106-375-12	MYLAR	0.022MF	5%	100V
C901	1-106-375-12	MYLAR	0.022MF	5%	100V
C902	1-125-430-11	(AV501:E/AV601)			
		...ELECT(BLOCK)	15000MF	20%	71V
C902	1-125-479-11	(AV501R:AEP,UK)			
		...ELECT(BLOCK)	10000MF	20%	63V
C902	1-125-573-11	(AV501:US,Canadian/AV501R:WG)			
		...ELECT(BLOCK)	12000MF	20%	71V
C903	1-125-430-11	(AV501:E/AV601)			
		...ELECT(BLOCK)	15000MF	20%	71V
C903	1-125-479-11	(AV501R:AEP,UK)			
		...ELECT(BLOCK)	10000MF	20%	63V
C903	1-125-573-11	(AV501:US,Canadian/AV501R:WG)			
		...ELECT(BLOCK)	12000MF	20%	71V
C904	1-106-375-12	MYLAR	0.022MF	5%	100V
C905	1-106-375-12	MYLAR	0.022MF	5%	100V
C906	1-130-487-00	MYLAR	0.022MF	5%	50V
C907	1-124-026-00	ELECT	3300MF	20%	35V
C908	1-124-026-00	ELECT	3300MF	20%	35V
C909	1-130-487-00	MYLAR	0.022MF	5%	50V
C910	1-124-557-11	ELECT	1000MF	20%	25V
C911	1-124-477-11	ELECT	47MF	20%	16V
C912	1-124-791-11	ELECT	1MF	20%	50V
C913	1-123-875-11	ELECT	10MF	20%	50V
C914	1-124-464-11	ELECT	0.22MF	20%	50V
C916	1-124-557-11	ELECT	1000MF	20%	25V
C917	1-124-557-11	ELECT	1000MF	20%	25V
C918	1-124-443-00	ELECT	100MF	20%	10V
C919	1-124-443-00	ELECT	100MF	20%	10V
C920	1-124-443-00	ELECT	100MF	20%	10V
C921	1-124-443-00	ELECT	100MF	20%	10V
C922	1-106-375-12	MYLAR	0.022MF	5%	100V
C923	1-106-375-12	MYLAR	0.022MF	5%	100V
C924	1-130-487-00	MYLAR	0.022MF	5%	50V
C925	1-130-487-00	MYLAR	0.022MF	5%	50V



Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C926	1-124-925-11	ELECT 2.2MF 20% 50V	CN513	*1-508-980-11	PIN, CONNECTOR
C950	1-124-667-11	ELECT 10MF 20% 100V	CN516	1-569-400-11	PLUG, CONNECTOR 10P
C951	1-124-667-11	(EXCEPT AV501R:WG)	CN517	1-569-400-11	PLUG, CONNECTOR 10P
	...ELECT	10MF 20% 100V			
C952	1-101-924-11	(AV501R:WG)..ELECT 0.022MF 25V	CN518	1-569-400-11	PLUG, CONNECTOR 10P
C953	1-101-924-11	(AV501R:WG)..ELECT 0.022MF 25V	CN519	1-569-402-11	PLUG, CONNECTOR 6P
C996	1-123-875-11	ELECT 10MF 20% 50V	CN520	1-561-115-00	SOCKET, CONNECTOR 6P
C997	1-126-157-11	ELECT 10MF 20% 16V	CN523	1-568-321-11	SOCKET, CONNECTOR 10P
C998	1-136-742-11	FILM 0.1MF 5% 50V	CN524	1-568-321-11	SOCKET, CONNECTOR 10P
			CN525	1-568-317-11	SOCKET, CONNECTOR 6P
CN1	*1-564-321-00	PIN, CONNECTOR 2P	CN526	*1-568-544-11	PIN, CONNECTOR (PC BOARD) 3P
CN2	*1-564-321-00	(AV501/AV601)...PIN, CONNECTOR 2P	CN527	1-568-545-11	SOCKET, CONNECTOR (PC BOARD) 3P
CN2	*1-564-687-11	(AV501:E).....PIN, CONNECTOR 3P	CN528	*1-560-667-00	PIN, CONNECTOR 11P
CN2	*1-568-106-11	(AV501R).....PIN, CONNECTOR 4P			
CN3	*1-564-104-00	(AV501:E).....PIN, CONNECTOR 3P	CN601	*1-563-381-11	SOCKET, CONNECTOR 11P
CN4	*1-564-321-00	(AV501:E).....PIN, CONNECTOR 2P	CN800	*1-568-322-11	PLUG, CONNECTOR 10P
CN5	*1-564-320-00	(AV501:E).....PIN, CONNECTOR 2P	CN801	*1-568-322-11	PLUG, CONNECTOR 10P
CN7	*1-564-321-00	PIN, CONNECTOR 2P	CN802	*1-564-666-11	PIN, CONNECTOR 10P
CN101	1-568-319-11	SOCKET, CONNECTOR 8P	CN803	*1-564-666-11	PIN, CONNECTOR 10P
CN102	1-568-319-11	SOCKET, CONNECTOR 8P	CN903	*1-564-497-11	PIN, CONNECTOR 4P
CN103	1-568-321-11	SOCKET, CONNECTOR 10P			
CN104	1-568-321-11	SOCKET, CONNECTOR 10P	CNJ1	△.1-526-751-00	(AV501R:UK).....OUTLET, AC
CN105	1-569-402-11	PLUG, CONNECTOR 6P	CNJ1	△.1-526-794-11	(AV501R:AEP,WG)...OUTLET, AC
CN109	1-566-213-11	PIN, CONNECTOR 4P (CONTROL S)	CNJ1	△.1-540-043-11	(AV501:US).....OUTLET, AC
CN110	*1-564-358-00	(AV501:US)...PIN, CONNECTOR 3P (SYSTEM CONTORL)	CNJ1	△.1-540-062-11	(AV501:US,Canadian/AV601) ...OUTLET, AC (POLAR)
CN111	1-569-401-11	PLUG, CONNECTOR 8P	CP801	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN112	1-569-401-11	PLUG, CONNECTOR 8P	CP802	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN113	1-569-400-11	PLUG, CONNECTOR 10P	CP803	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN114	1-569-400-11	PLUG, CONNECTOR 10P	CP804	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN206	*1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P	CP805	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN207	*1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P	CP806	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN208	*1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P	CP807	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN301	1-568-321-11	SOCKET, CONNECTOR 10P	CP808	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN302	1-568-321-11	SOCKET, CONNECTOR 10P	CP809	1-233-218-11	COMPOSITION CIRCUIT BLOCK
CN303	1-568-321-11	SOCKET, CONNECTOR 10P	D300	8-719-912-20	(AV501/AV601)...DIODE 1SS120
CN304	1-568-317-11	SOCKET, CONNECTOR 6P	D301	8-719-912-20	DIODE 1SS120
CN305	*1-565-441-11	SOCKET, CONNECTOR (PCB) 12P	D400	8-719-303-00	DIODE SEL2510C
CN306A	*1-565-348-11	SOCKET, CONNECTOR(PC BOARD)14P	D500	8-719-933-36	DIODE HZS6B1L
CN306	1-568-317-11	SOCKET, CONNECTOR 6P	D501	8-719-933-36	DIODE HZS6B1L
CN307	*1-565-348-11	SOCKET, CONNECTOR(PC BOARD)14P	D502	8-719-912-20	DIODE 1SS120
CN308	*1-565-348-11	SOCKET, CONNECTOR(PC BOARD)14P	D503	8-719-815-85	DIODE 1S1585
CN400	*1-568-318-11	PLUG, CONNECTOR 6P	D504	8-719-815-85	DIODE 1S1585
CN401	*1-563-381-11	SOCKET, CONNECTOR 11P	D550	8-719-933-36	DIODE HZS6B1L
CN402	1-560-667-00	PIN, CONNECTOR 11P	D551	8-719-933-36	DIODE HZS6B1L
CN403	*1-565-440-11	PIN, CONNECTOR (PCB) 12P	D552	8-719-912-20	DIODE 1SS120
CN407	*1-564-505-11	PLUG, CONNECTOR 2P	D553	8-719-815-85	DIODE 1S1585
CN500	1-506-906-11	PIN, CONNECTOR 5P	D554	8-719-815-85	DIODE 1S1585
CN501	1-568-321-11	SOCKET, CONNECTOR 10P	D600	8-719-912-20	DIODE 1SS120
CN502	1-568-321-11	SOCKET, CONNECTOR 10P	D601	8-719-912-20	DIODE 1SS120
CN503	1-568-321-11	SOCKET, CONNECTOR 10P	D650	8-719-912-20	(AV601)...DIODE 1SS120
CN504	1-568-317-11	SOCKET, CONNECTOR 6P	D651	8-719-912-20	(AV601)...DIODE 1SS120
CN505	1-568-317-11	SOCKET, CONNECTOR 6P	D700	8-719-912-20	DIODE 1SS120
CN506	1-569-968-11	PLUG (WITH CONNECTOR)(L) 11P	D701	8-719-912-20	DIODE 1SS120
CN508	1-569-400-11	PLUG, CONNECTOR 10P	D702	8-719-912-20	DIODE 1SS120
CN509	1-569-400-11	PLUG, CONNECTOR 10P	D703	8-719-912-20	DIODE 1SS120
CN510	1-569-400-11	PLUG, CONNECTOR 10P	D704	8-719-912-20	DIODE 1SS120
CN511	1-569-402-11	PLUG, CONNECTOR 6P	D705	8-719-912-20	DIODE 1SS120
CN512	1-569-402-11	PLUG, CONNECTOR 6P	D706	8-719-912-20	(AV601)...DIODE 1SS120

**Note:**  
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

**Note:**  
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
D801	8-719-311-61	DIODE SEL2810D-D(VIDEO 1 VISUAL SOURCE)	F1	△.1-532-237-11	(AV501R).....FUSE, TIME-LAG 3.15A
D802	8-719-311-61	DIODE SEL2810D-D(VIDEO 2 VISUAL SOURCE)	F1	△.1-532-748-11	(AV501:US,Canadian) ...FUSE, TIME-LAG 6.3A
D803	8-719-311-61	DIODE SEL2810D-D(VIDEO 3 VISUAL SOURCE)	F1	△.1-532-749-11	(AV601).....FUSE, GLASS TUBE 8A
D804	8-719-312-61	DIODE SEL2810D-D(VIDEO 4 VISUAL SOURCE)	F1	△.1-532-350-00	(AV501:E)....FUSE, TIME-LAG 4A
D805	8-719-304-77	DIODE SEL2210R-C(VIDEO 1 AUDIO SOURCE)	F2	△.1-532-286-11	(AV501R).....FUSE, TIME-LAG 2.5A
D806	8-719-304-77	DIODE SEL2210R-C(VIDEO 2 AUDIO SOURCE)	F2	△.1-532-350-00	(AV501:E).....FUSE, TIME-LAG 4A
D807	8-719-304-77	DIODE SEL2210R-C(VIDEO 3 AUDIO SOURCE)	F900	△.1-532-237-11	(AV501:E/AV501R)...FUSE, TIME-LAG 3.15A
D808	8-719-304-77	DIODE SEL2210R-C(VIDEO 4 AUDIO SOURCE)	F900	△.1-532-745-11	(AV501:US,Canadian/AV601) ...FUSE, GLASS TUBE 3.15A
D809	8-719-304-77	DIODE SEL2210R-C (TAPE/DAT)	F901	△.1-532-237-11	(AV501:E/AV501R)...FUSE, TIME-LAG 3.15A
D810	8-719-304-77	DIODE SEL2210R-C (CD)	F901	△.1-532-745-11	(AV501:US,Canadian/AV601) ...FUSE, GLASS TUBE 3.15A
D811	8-719-304-77	DIODE SEL2210R-C (TUNER)			
D812	8-719-304-77	DIODE SEL2210R-C (PHONO)	IC100	8-759-634-50	IC M5218AL
D813	8-719-311-60	(AV601)...DIODE SEL2810D-C (DRLC)	IC101	8-759-634-50	(AV601)...IC M5218AL
D814	8-719-313-06	DIODE SEL1810D-C (SIMULATED)	IC102	8-759-634-50	(AV601)...IC M5218AL
D815	8-719-313-06	DIODE SEL1810D-C (HALL)	IC103	8-759-634-50	(AV601)...IC M5218AL
D816	8-719-313-06	DIODE SEL1810D-C (DOLBY)	IC104	8-759-000-49	IC MC14066BCP
D817	8-719-311-60	(AV601)...DIODE SEL2810D-C (DRLC)	IC105	8-759-634-50	(AV601)...IC M5218AL
D818	8-719-313-06	DIODE SEL1810D-C (DBFB)	IC106	8-759-805-14	IC LC7822
D819	8-719-311-61	DIODE SEL2810D-D (15ms)	IC107	8-759-208-08	(AV601)...IC MC4052BPHP
D820	8-719-311-61	DIODE SEL2810D-D (20ms)	IC108	8-759-634-50	IC M5218AL
D821	8-719-311-61	DIODE SEL2810D-D (30ms)	IC154	8-759-000-49	IC MC14066BCP
D822	8-719-311-61	DIODE SEL2810D-D (SURROUND LEVEL)	IC200	8-759-991-77	IC BA7625
D823	8-719-311-61	DIODE SEL2810D-D (SURROUND LEVEL)	IC300	8-759-634-50	IC M5218AL
D824	8-719-311-61	DIODE SEL2810D-D (SURROUND LEVEL)	IC301	8-759-634-50	IC M5218AL
D825	8-719-311-61	DIODE SEL2810D-D (SURROUND LEVEL)	IC302	8-759-634-50	IC M5218AL
D826	8-719-311-61	DIODE SEL2810D-D (SURROUND LEVEL)	IC303	8-759-000-49	IC MC14066BCP
D827	8-719-304-77	(AV501:E/AV501R)...DIODE SEL2210R-C	IC304	8-759-633-83	IC M50198P
D828	8-719-912-20	DIODE 1SS120	IC305	8-759-929-37	IC NE646N
D829	8-719-912-20	DIODE 1SS120	IC306	8-759-634-50	IC M5218AL
D830	8-719-912-20	DIODE 1SS120	IC307	8-759-000-49	IC MC14066BCP
D831	8-719-912-20	DIODE 1SS120	IC308	8-759-204-30	IC TC9176P
D832	8-719-912-20	(AV601)...DIODE 1SS120	IC309	8-759-634-50	IC M5218AL
D833	8-719-912-20	DIODE 1SS120	IC310	8-759-000-49	IC MC14066BCP
D835	8-719-912-20	(AV501/AV501R)...DIODE 1SS120	IC311	8-759-634-51	IC M5218AP
D836	8-719-912-20	(AV601)...DIODE 1SS120	IC400	8-759-820-62	IC LB1639
D837	8-719-912-20	(AV601)...DIODE 1SS120	IC401	8-759-634-50	IC M5218AL
D838	8-719-912-20	(AV601)...DIODE 1SS120	IC600	8-749-920-76	IC SI-18752
D839	8-719-912-20	(AV601)...DIODE 1SS120	IC601	8-749-920-76	(AV601)...IC SI-18752
D840	8-719-912-20	(AV601)...DIODE 1SS120	IC700	8-759-111-68	IC UPC1237HA
D850	8-719-912-20	(AV601)...DIODE 1SS120	IC801	8-749-920-83	IC GP1U52XB
D856	8-719-912-20	(AV501/AV501R)...DIODE 1SS120	IC802	8-759-633-84	IC M66311P
D900	8-719-200-80	DIODE D300	IC803	8-759-633-84	IC M66311P
D901	8-719-200-80	DIODE D300	IC804	8-759-150-73	IC UPD75106GF
D902	8-719-312-09	DIODE RBA-402	IC900	8-759-982-10	IC MC7809FA
D903	8-719-511-40	DIODE S1VB40	IC901	8-759-604-49	IC M5F7909L
D904	8-719-511-40	DIODE S1VB40	IC902	8-759-604-29	(AV501:E/AV501R).....IC M5F7805L
D905	8-719-200-82	DIODE 11ES2	IC902	8-759-982-05	(AV501:US,Canadian/AV601)...IC RC7805FA
D906	8-719-933-41	DIODE HZS6C3L	IC903	8-759-604-29	(AV501:E/AV501R).....IC M5F7805L
D907	8-719-933-41	DIODE HZS6C3L	IC903	8-759-982-05	(AV501:US,Canadian/AV601)...IC RC7805FA
D908	8-719-914-11	DIODE HZ4ALL	J100	*1-569-812-11	JACK, PIN 6P (CD,TUNER,PHONO)
D909	8-719-912-20	DIODE 1SS120	J101	1-565-303-11	JACK, PIN 6P (VIDEO 3 CDV,TAPE/DAT)
D910	8-719-912-20	DIODE 1SS120	J102	1-565-304-11	JACK, PIN 4P (VIDEO 2 AUDIO)
D911	8-719-200-82	DIODE 11ES2	J103	1-565-304-11	JACK, PIN 4P (VIDEO 1 AUDIO)
D997	8-719-912-20	(AV601)...DIODE 1SS120			
D998	8-719-912-20	(AV601)...DIODE 1SS120			
D999	8-719-912-20	(AV601)...DIODE 1SS120			

**Note:**

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
J104	1-566-819-31	(AV601)...JACK 1P (DRLC)
J105	1-507-909-21	JACK, PIN 4P (GRAPHIC EQ)
J106	1-563-136-31	JACK, PIN 3P (VIDEO 4)
J200	1-565-933-11	JACK, PIN 3P (VIDEO 2/VIDEO 3)
J201	1-565-933-11	JACK, PIN 3P (VIDEO 1/MONITOR)
J500	1-507-796-71	JACK (HEADPHONES)
L200	1-408-080-00	INDUCTOR 100UH
L300	1-408-080-00	INDUCTOR 100UH
L500	*1-420-872-00	COIL, AIR CORE 1.9UH
L550	*1-420-872-00	COIL, AIR CORE 1.9UH
L600	*1-420-872-00	COIL, AIR CORE 1.9UH
L650	*1-420-872-00	(AV601)...COIL, AIR CORE 1.9UH
Q200	8-729-141-03	TRANSISTOR 2SA733-QP
Q201	8-729-141-03	TRANSISTOR 2SA733-QP
Q202	8-729-141-03	TRANSISTOR 2SA733-QP
Q203	8-729-900-63	TRANSISTOR DTA124ES
Q204	8-729-620-05	TRANSISTOR 2SC2603-EF
Q300	8-729-224-61	(AV501/AV601)...TRANSISTOR 2SK246YGR
Q301	8-729-224-61	(AV501/AV601)...TRANSISTOR 2SK246YGR
Q302	8-729-620-05	(AV501/AV601)...TRANSISTOR 2SC2603-EF
Q303	8-729-620-05	(AV501/AV601)...TRANSISTOR 2SC2603-EF
Q514	8-729-321-21	TRANSISTOR 2SC4387-OY
Q515	8-729-321-24	TRANSISTOR 2SA1672-OY
Q516	8-729-321-21	(AV501:E/AV601)...TRANSISTOR 2SC4387-OY
Q517	8-729-321-24	(AV501:E/AV601)...TRANSISTOR 2SA1672-OY
Q500	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q501	8-729-108-14	TRANSISTOR 2SA988F
Q502	8-729-620-18	TRANSISTOR 2SA979-FG
Q503	8-729-108-41	TRANSISTOR 2SA988F
Q504	8-729-108-14	TRANSISTOR 2SA988F
Q505	8-729-620-05	TRANSISTOR 2SC2603-EF
Q506	8-729-620-05	TRANSISTOR 2SC2603-EF
Q507	8-729-104-91	TRANSISTOR 2SA1383
Q508	8-729-209-15	TRANSISTOR 2SD2012
Q509	8-729-141-07	TRANSISTOR 2SC3514
Q510	8-729-620-05	TRANSISTOR 2SC2603-EF
Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q512	8-729-141-58	TRANSISTOR 2SC2275A-QP
Q513	8-729-141-10	TRANSISTOR 2SA985A-QP
Q518	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q550	8-729-141-26	(AV501:Canadian/AV601) ...TRANSISTOR 2SC3622A-LK
Q551	8-729-108-14	TRANSISTOR 2SA988F
Q552	8-729-620-18	TRANSISTOR 2SA979-FG
Q553	8-729-108-14	TRANSISTOR 2SA988F
Q554	8-729-108-41	TRANSISTOR 2SA988F
Q555	8-729-620-05	TRANSISTOR 2SC2603-EF
Q556	8-729-620-05	TRANSISTOR 2SC2603-EF
Q557	8-729-104-91	TRANSISTOR 2SA1383
Q558	8-729-209-15	TRANSISTOR 2SD2012
Q559	8-729-104-18	TRANSISTOR 2SC3514
Q560	8-729-620-05	TRANSISTOR 2SC2603-EF
Q561	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q562	8-729-141-58	TRANSISTOR 2SC2275A-QP
Q563	8-729-141-10	TRANSISTOR 2SA985A-QP
Q564	8-729-321-21	TRANSISTOR 2SC4387-OY
Q565	8-729-321-24	TRANSISTOR 2SA1672-OY
Q566	8-729-321-21	(AV501:E/AV601)...TRANSISTOR 2SC4387-OY

Ref.No.	Part No.	Description
Q567	8-729-321-24	(AV501:E/AV601)...TRANSISTOR 2SA1672-OY
Q568	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q600	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q610	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q620	8-729-141-26	(AV601)...TRANSISTOR 2SC3622A-LK
Q650	8-729-140-84	(AV601)...TRANSISTOR 2SA1841-PAFAEA
Q700	8-729-900-63	TRANSISTOR DTA124ES
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q702	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q703	8-729-620-05	TRANSISTOR 2SC2603-EF
Q704	8-729-620-05	TRANSISTOR 2SC2603-EF
Q705	8-729-620-05	(AV601)...TRANSISTOR 2SC2603-EF
Q801	8-729-900-63	(AV501:E/AV501R)...TRANSISTOR DTC124ES
Q802	8-729-900-63	TRANSISTOR DTA124ES
Q803	8-729-900-36	TRANSISTOR DTC124ES
Q804	8-729-620-05	TRANSISTOR 2SC2603-EF
Q806	8-729-620-05	TRANSISTOR 2SC2603-EF
Q807	8-729-620-05	(AV601)...TRANSISTOR 2SC2603-EF
Q808	8-729-119-76	(AV601)...TRANSISTOR 2SA1175-HFE
Q809	8-729-900-63	TRANSISTOR DTA124ES
Q810	8-729-900-63	TRANSISTOR DTA124ES
Q811	8-729-900-63	TRANSISTOR DTA124ES
Q814	8-729-900-63	(AV501:US)...TRANSISTOR DTA124ES
Q815	8-729-900-63	TRANSISTOR DTA124ES
Q816	8-729-900-63	TRANSISTOR DTA124ES
Q817	8-729-900-63	TRANSISTOR DTA124ES
Q818	8-729-900-63	TRANSISTOR DTA124ES
Q819	8-729-900-36	(AV501/AV601)...TRANSISTOR DTC124ES
Q820	8-729-900-63	(AV501/AV601)...TRANSISTOR DTA124ES
Q821	8-729-900-36	TRANSISTOR DTC124ES
Q822	8-729-900-63	TRANSISTOR DTA124ES
Q823	8-729-900-36	(AV601)...TRANSISTOR DTC124ES
Q824	8-729-900-63	(AV601)...TRANSISTOR DTA124ES
Q825	8-729-900-63	TRANSISTOR DTA124ES
Q826	8-729-900-63	TRANSISTOR DTA124ES
Q827	8-729-900-63	(AV601)...TRANSISTOR DTA124ES
Q901	8-729-620-05	TRANSISTOR 2SC2603-EF
Q902	8-729-209-15	TRANSISTOR 2SD2012
Q903	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q904	8-729-620-05	TRANSISTOR 2SC2603-EF
Q905	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q906	8-729-620-05	TRANSISTOR 2SC2603-EF
Q998	8-729-620-05	(AV601)...TRANSISTOR 2SC2603-EF
Q999	8-729-620-05	(EXCEPT AV501:US,Canadian) ...TRANSISTOR 2SC2603-EF
R100	1-249-418-11	(AV501R:WG)...CARBON 1.2K 5% 1/4W
R102	1-249-411-11	CARBON 330 5% 1/4W
R103	1-249-437-11	CARBON 47K 5% 1/4W
R104	1-249-416-11	CARBON 820 5% 1/4W
R105	1-247-897-11	CARBON 560K 5% 1/4W
R106	1-249-437-11	CARBON 47K 5% 1/4W
R107	1-249-441-11	CARBON 100K 5% 1/4W
R108	1-249-409-11	CARBON 220 5% 1/4W
R109	1-249-418-11	CARBON 1.2K 5% 1/4W
R110	1-249-418-11	CARBON 1.2K 5% 1/4W
R111	1-249-413-11	CARBON 470 5% 1/4W
R112	1-249-418-11	CARBON 1.2K 5% 1/4W

Ref.No.	Part No.	Description			
R113	1-249-418-11	CARBON	1.2K	5%	1/4W
R114	1-249-413-11	CARBON	470	5%	1/4W
R115	1-249-418-11	CARBON	1.2K	5%	1/4W
R116	1-249-413-11	CARBON	470	5%	1/4W
R117	1-249-418-11	CARBON	1.2K	5%	1/4W
R118	1-249-413-11	CARBON	470	5%	1/4W
R119	1-249-418-11	CARBON	1.2K	5%	1/4W
R120	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R121	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R122	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R123	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-249-437-11	CARBON	47K	5%	1/4W
R126	1-249-418-11	CARBON	1.2K	5%	1/4W
R126A	1-249-421-11	CARBON	2.2K	5%	1/4W
R150	1-249-418-11	(AV501R:WG)...CARBON	1.2K	5%	1/4W
R152	1-249-411-11	CARBON	330	5%	1/4W
R153	1-249-437-11	CARBON	47K	5%	1/4W
R154	1-249-416-11	CARBON	820	5%	1/4W
R155	1-247-897-11	CARBON	560K	5%	1/4W
R156	1-249-437-11	CARBON	47K	5%	1/4W
R157	1-249-441-11	CARBON	100K	5%	1/4W
R158	1-249-409-11	CARBON	220	5%	1/4W
R159	1-249-418-11	CARBON	1.2K	5%	1/4W
R160	1-249-418-11	CARBON	1.2K	5%	1/4W
R161	1-249-413-11	CARBON	470	5%	1/4W
R162	1-249-418-11	CARBON	1.2K	5%	1/4W
R163	1-249-418-11	CARBON	1.2K	5%	1/4W
R164	1-249-413-11	CARBON	470	5%	1/4W
R165	1-249-418-11	CARBON	1.2K	5%	1/4W
R166	1-249-413-11	CARBON	470	5%	1/4W
R167	1-249-418-11	CARBON	1.2K	5%	1/4W
R168	1-249-413-11	CARBON	470	5%	1/4W
R169	1-249-418-11	CARBON	1.2K	5%	1/4W
R170	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R171	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R172	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R173	1-249-437-11	(AV601)...CARBON	47K	5%	1/4W
R175	1-249-437-11	CARBON	47K	5%	1/4W
R176	1-249-418-11	CARBON	1.2K	5%	1/4W
R176A	1-249-421-11	CARBON	2.2K	5%	1/4W
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R202	1-247-804-11	CARBON	75	5%	1/4W
R203	1-249-403-11	CARBON	68	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-403-11	CARBON	68	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-403-11	CARBON	68	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R209	1-249-405-11	CARBON	100	5%	1/4W
R210	1-249-405-11	CARBON	100	5%	1/4W
R211	1-249-405-11	CARBON	100	5%	1/4W
R212	1-249-405-11	CARBON	100	5%	1/4W
R213	1-249-405-11	CARBON	100	5%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W
R215	1-249-435-11	CARBON	33K	5%	1/4W

Ref.No.	Part No.	Description			
R216	1-249-439-11	CARBON	68K	5%	1/4W
R217	1-247-804-11	CARBON	75	5%	1/4W
R300	1-249-417-11	CARBON	1K	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-438-11	CARBON	56K	5%	1/4W
R303	1-249-438-11	CARBON	56K	5%	1/4W
R304	1-249-429-11	CARBON	10K	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-429-11	CARBON	10K	5%	1/4W
R310	1-249-429-11	CARBON	10K	5%	1/4W
R311	1-249-429-11	CARBON	10K	5%	1/4W
R312	1-249-429-11	CARBON	10K	5%	1/4W
R314	1-247-887-00	CARBON	220K	5%	1/4W
R315	1-247-887-00	CARBON	220K	5%	1/4W
R316	1-249-425-11	(AV501R).....CARBON	2.2K	5%	1/4W
R316	1-249-436-11	(AV501/AV601)...CARBON	39K	5%	1/4W
R317	1-249-425-11	(AV501R).....CARBON	2.2K	5%	1/4W
R317	1-249-436-11	(AV501/AV601)...CARBON	39K	5%	1/4W
R318	1-249-425-11	CARBON	4.7K	5%	1/4W
R319	1-249-425-11	CARBON	4.7K	5%	1/4W
R320	1-249-421-11	CARBON	2.2K	5%	1/4W
R321	1-249-421-11	CARBON	2.2K	5%	1/4W
R322	1-247-903-00	(AV501/AV601)...CARBON	1M	5%	1/4W
R323	1-247-903-00	(AV501/AV601)...CARBON	1M	5%	1/4W
R324	1-249-405-11	(AV501/AV601)...CARBON	100	5%	1/4W
R325	1-249-405-11	AV501/AV601)...CARBON	100	5%	1/4W
R326	1-249-438-11	(AV501/AV601)...CARBON	56K	5%	1/4W
R327	1-249-438-11	(AV501/AV601)...CARBON	56K	5%	1/4W
R328	1-249-412-11	(AV501/AV601)...CARBON	390	5%	1/4W
R329	1-249-412-11	(AV501/AV601)...CARBON	390	5%	1/4W
R330	1-249-426-11	(AV501/AV601)...CARBON	5.6K	5%	1/4W
R331	1-249-426-11	(AV501/AV601)...CARBON	5.6K	5%	1/4W
R332	1-249-441-11	(AV501/AV601)...CARBON	100K	5%	1/4W
R333	1-249-441-11	(AV501/AV601)...CARBON	100K	5%	1/4W
R334	1-249-441-11	(AV501/AV601)...CARBON	100K	5%	1/4W
R335	1-249-429-11	(AV501/AV601)...CARBON	10K	5%	1/4W
R336	1-249-441-11	(AV501/AV601)...CARBON	100K	5%	1/4W
R337	1-249-437-11	(AV501/AV601)...CARBON	47K	5%	1/4W
R338	1-249-425-11	CARBON	4.7K	5%	1/4W
R339	1-249-425-11	CARBON	4.7K	5%	1/4W
R340	1-249-434-11	CARBON	27K	5%	1/4W
R341	1-249-431-11	CARBON	15K	5%	1/4W
R342	1-247-855-11	CARBON	10K	5%	1/4W
R343	1-247-903-00	CARBON	1M	5%	1/4W
R344	1-249-431-11	CARBON	15K	5%	1/4W
R346	1-249-431-11	CARBON	15K	5%	1/4W
R347	1-249-422-11	CARBON	2.7K	5%	1/4W
R348	1-247-885-00	CARBON	180K	5%	1/4W
R349	1-247-889-00	CARBON	270K	5%	1/4W
R350	1-249-437-11	CARBON	47K	5%	1/4W
R352	1-249-435-11	CARBON	33K	5%	1/4W
R353	1-249-439-11	CARBON	68K	5%	1/4W
R354	1-249-433-11	CARBON	22K	5%	1/4W
R355	1-249-433-11	CARBON	22K	5%	1/4W
R356	1-249-408-11	CARBON	180	5%	1/4W

Ref.No.	Part No.	Description			
R357	1-249-423-11	CARBON	3.3K	5%	1/4W
R358	1-249-409-11	CARBON	220	5%	1/4W
R359	1-249-409-11	CARBON	220	5%	1/4W
R360	1-249-417-11	CARBON	1K	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W
R362	1-249-441-11	CARBON	100K	5%	1/4W
R363	1-249-441-11	CARBON	100K	5%	1/4W
R364	1-249-429-11	CARBON	10K	5%	1/4W
R365	1-249-429-11	CARBON	10K	5%	1/4W
R366	1-249-441-11	CARBON	100K	5%	1/4W
R367	1-249-441-11	CARBON	100K	5%	1/4W
R368	1-249-417-11	CARBON	1K	5%	1/4W
R369	1-249-417-11	CARBON	1K	5%	1/4W
R370	1-247-881-00	(AV601)...CARBON	120K	5%	1/4W
R371	1-249-422-11	(AV601)...CARBON	2.7K	5%	1/4W
R372	1-249-417-11	(AV601)...CARBON	1K	5%	1/4W
R373	1-249-422-11	(AV601)...CARBON	2.7K	5%	1/4W
R374	1-249-417-11	(AV601)...CARBON	1K	5%	1/4W
R375	1-249-421-11	CARBON	2.2K	5%	1/4W
R376	1-249-421-11	(AV601)...CARBON	2.2K	5%	1/4W
R377	1-249-437-11	CARBON	47K	5%	1/4W
R400	1-247-903-00	CARBON	1M	5%	1/4W
R401	1-249-426-11	CARBON	5.6K	5%	1/4W
R402	1-249-421-11	CARBON	2.2K	5%	1/4W
R403	1-247-903-00	CARBON	1M	5%	1/4W
R404	1-247-870-11	CARBON	43K	5%	1/4W
R405	1-249-436-11	CARBON	39K	5%	1/4W
R406	1-247-852-11	CARBON	7.5K	5%	1/4W
R409	1-249-405-11	CARBON	100	5%	1/4W
R410	1-249-437-11	CARBON	47K	5%	1/4W
R411	1-249-415-11	CARBON	680	5%	1/4W
R412	1-249-437-11	CARBON	47K	5%	1/4W
R413	1-249-429-11	CARBON	10K	5%	1/4W
R414	1-249-420-11	CARBON	1.8K	5%	1/4W
R450	1-247-903-00	CARBON	1M	5%	1/4W
R451	1-249-426-11	CARBON	5.6K	5%	1/4W
R452	1-249-421-11	CARBON	2.2K	5%	1/4W
R453	1-247-903-00	CARBON	1M	5%	1/4W
R454	1-247-870-11	CARBON	43K	5%	1/4W
R455	1-249-436-11	CARBON	39K	5%	1/4W
R456	1-247-852-11	CARBON	7.5K	5%	1/4W
R460	1-249-437-11	CARBON	47K	5%	1/4W
R461	1-249-415-11	CARBON	680	5%	1/4W
R462	1-249-437-11	CARBON	47K	5%	1/4W
R463	1-249-429-11	CARBON	10K	5%	1/4W
R464	1-249-420-11	CARBON	1.8K	5%	1/4W
R500	1-249-417-11	CARBON	1K	5%	1/4W
R501	1-249-425-11	CARBON	4.7K	5%	1/4W
R502	1-249-434-11	CARBON	27K	5%	1/4W
R503	1-249-441-11	CARBON	100K	5%	1/4W
R504	1-249-421-11	CARBON	2.2K	5%	1/4W
R505	1-249-429-11	CARBON	10K	5%	1/4W
R506	1-249-435-11	CARBON	33K	5%	1/4W
R507	1-249-433-11	CARBON	22K	5%	1/4W
R508	1-249-411-11	CARBON	330	5%	1/4W
R509	1-247-704-11	CARBON	220	5%	1/4W F
R510	1-247-704-11	CARBON	220	5%	1/4W F

Ref.No.	Part No.	Description			
R511	1-249-435-11	CARBON	33K	5%	1/4W
R512	1-249-441-11	CARBON	100K	5%	1/4W
R513	1-249-420-11	CARBON	1.8K	5%	1/4W
R514	1-247-692-11	CARBON	22	5%	1/4W F
R515	1-249-423-11	CARBON	3.3K	5%	1/4W
R516	1-249-417-11	CARBON	1K	5%	1/4W
R517	1-247-692-11	CARBON	22	5%	1/4W F
R518	1-247-700-11	CARBON	100	5%	1/4W F
R519	1-247-700-11	CARBON	100	5%	1/4W F
R520	1-247-719-11	CARBON	3.3K	5%	1/4W F
R521	1-247-713-11	CARBON	1K	5%	1/4W F
R522	1-247-713-11	CARBON	1K	5%	1/4W F
R523	1-247-717-11	CARBON	2.2K	5%	1/4W F
R524	1-247-745-11	CARBON	330	5%	1/2W F
R525	1-249-455-11	CARBON	4.7	5%	1/4W F
R526	1-249-455-11	CARBON	4.7	5%	1/4W F
R527	1-217-156-00	RES, METAL PLATE	0.22		
R528	1-217-156-00	RES, METAL PLATE	0.22		
R529	1-249-455-11	(AV501:E/AV601)...CARBON	4.7	5%	1/4W F
R530	1-249-455-11	(AV501:E/AV601)...CARBON	4.7	5%	1/4W F
R531	1-217-156-00	(AV501:E/AV601)...RES, METAL PLATE	0.22		
R532	1-217-156-00	(AV501:E/AV601)...RES, METAL PLATE	0.22		
R533	1-247-700-11	CARBON	100	5%	1/4W F
R534	1-249-433-11	CARBON	22K	5%	1/4W
R535	1-247-727-11	CARBON	10	5%	1/2W
R536	1-247-727-11	CARBON	10	5%	1/2W
R537	1-249-437-11	CARBON	47K	5%	1/4W
R541	1-216-431-11	METAL OXIDE	560	5%	1W F
R550	1-249-417-11	CARBON	1K	5%	1/4W
R551	1-249-425-11	CARBON	4.7K	5%	1/4W
R552	1-249-434-11	CARBON	27K	5%	1/4W
R553	1-249-441-11	CARBON	100K	5%	1/4W
R554	1-249-421-11	CARBON	2.2K	5%	1/4W
R555	1-249-429-11	CARBON	10K	5%	1/4W
R556	1-249-435-11	CARBON	33K	5%	1/4W
R557	1-249-433-11	CARBON	22K	5%	1/4W
R558	1-249-411-11	CARBON	330	5%	1/4W
R559	1-247-704-11	CARBON	220	5%	1/4W F
R560	1-247-704-11	CARBON	220	5%	1/4W F
R561	1-249-435-11	CARBON	33K	5%	1/4W
R562	1-249-441-11	CARBON	100K	5%	1/4W
R563	1-249-420-11	CARBON	1.8K	5%	1/4W
R564	1-247-692-11	CARBON	22	5%	1/4W F
R565	1-249-423-11	CARBON	3.3K	5%	1/4W
R566	1-249-417-11	CARBON	1K	5%	1/4W
R567	1-247-692-11	CARBON	22	5%	1/4W F
R568	1-247-700-11	CARBON	100	5%	1/4W F
R569	1-247-700-11	CARBON	100	5%	1/4W F
R570	1-247-719-11	CARBON	3.3K	5%	1/4W F
R571	1-247-713-11	CARBON	1K	5%	1/4W F
R572	1-247-713-11	CARBON	1K	5%	1/4W F
R573	1-247-717-11	CARBON	2.2K	5%	1/4W F
R574	1-247-745-11	CARBON	330	5%	1/2W F
R575	1-249-455-11	CARBON	4.7	5%	1/4W F
R576	1-249-455-11	CARBON	4.7	5%	1/4W F
R577	1-217-156-00	RES, METAL PLATE	0.22		
R578	1-217-156-00	RES, METAL PLATE	0.22		

**Note:**

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R579	△.1-249-455-11	(AV501:E/AV601)..CARBON 4.7 5% 1/4W F	R809	1-249-408-11	CARBON 180 5% 1/4W
R580	△.1-249-455-11	(AV501:E/AV601)..CARBON 4.7 5% 1/4W F	R810	1-249-408-11	CARBON 180 5% 1/4W
R581	1-217-156-00	(AV501:E/AV601)..RES, METAL PLATE 0.22	R811	1-249-408-11	CARBON 180 5% 1/4W
R582	1-217-156-00	(AV501:E/AV601)..RES, METAL PLATE 0.22	R812	1-249-408-11	CARBON 180 5% 1/4W
R583	△.1-247-700-11	CARBON 100 5% 1/4W F	R813	1-249-393-11	(AV501:US)...CARBON 10 5% 1/4W
R584	1-249-433-11	CARBON 22K 5% 1/4W	R814	1-249-408-11	CARBON 180 5% 1/4W
R585	1-247-727-11	CARBON 10 5% 1/2W	R815	1-249-408-11	CARBON 180 5% 1/4W
R586	1-247-727-11	CARBON 10 5% 1/2W	R816	1-249-408-11	CARBON 180 5% 1/4W
R587	1-249-438-11	CARBON 56K 5% 1/4W	R817	1-247-806-11	CARBON 91 5% 1/4W
R591	△.1-216-431-11	METAL OXIDE 560 5% 1W F	R818	1-249-408-11	CARBON 180 5% 1/4W
R600	1-217-151-00	RES, METAL PLATE 0.22	R819	1-249-408-11	CARBON 180 5% 1/4W
R601	1-247-727-11	CARBON 10 5% 1/2W	R820	1-249-408-11	CARBON 180 5% 1/4W
R602	1-249-437-11	CARBON 47K 5% 1/4W	R821	1-249-408-11	CARBON 180 5% 1/4W
R603	1-247-727-11	CARBON 10 5% 1/2W	R822	1-249-408-11	CARBON 180 5% 1/4W
R604	△.1-247-704-11	CARBON 220 5% 1/4W F	R823	1-249-408-11	CARBON 180 5% 1/4W
R605	1-249-428-11	CARBON 8.2K 5% 1/4W	R824	1-249-408-11	CARBON 180 5% 1/4W
R610	1-249-437-11	CARBON 47K 5% 1/4W	R825	1-249-408-11	CARBON 180 5% 1/4W
R611	1-249-417-11	CARBON 1K 5% 1/4W	R826	1-249-408-11	CARBON 180 5% 1/4W
R612	1-249-437-11	CARBON 47K 5% 1/4W	R827	1-249-408-11	(AV501:E/AV501R)...CARBON 180 5% 1/4W
R613	1-249-413-11	CARBON 470 5% 1/4W	R828	1-247-895-00	CARBON 470K 5% 1/4W
R614	1-249-437-11	CARBON 47K 5% 1/4W	R829	1-249-405-11	CARBON 100 5% 1/4W
R615	1-249-424-11	CARBON 3.9K 5% 1/4W	R830	1-249-429-11	CARBON 10K 5% 1/4W
R620	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W	R831	1-249-417-11	CARBON 1K 5% 1/4W
R621	1-249-417-11	(AV601)...CARBON 1K 5% 1/4W	R832	1-249-429-11	CARBON 10K 5% 1/4W
R622	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W	R833	1-249-429-11	(AV601)...CARBON 10K 5% 1/4W
R623	1-249-413-11	(AV601)...CARBON 470 5% 1/4W	R834	1-249-393-11	CARBON 10 5% 1/4W
R624	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W	R835	1-249-417-11	CARBON 1K 5% 1/4W
R625	1-249-424-11	(AV601)...CARBON 3.9K 5% 1/4W	R836	1-249-425-11	(AV601)...CARBON 4.7K 5% 1/4W
R650	1-217-151-00	(AV601)...RES, METAL PLATE 0.22	R837	1-249-429-11	CARBON 10K 5% 1/4W
R651	1-247-727-11	(AV601)...CARBON 10 5% 1/2W	R838	1-249-433-11	CARBON 22K 5% 1/4W
R652	1-249-438-11	(AV601)...CARBON 56K 5% 1/4W	R839	1-249-433-11	CARBON 22K 5% 1/4W
R653	1-247-727-11	(AV601)...CARBON 10 5% 1/2W	R840	1-249-433-11	CARBON 22K 5% 1/4W
R654	△.1-247-704-11	(AV601)...CARBON 220 5% 1/4W F	R841	1-249-437-11	CARBON 47K 5% 1/4W
R655	1-249-428-11	(AV601)...CARBON 8.2K 5% 1/4W	R842	1-249-437-11	CARBON 47K 5% 1/4W
R700	1-249-427-11	CARBON 6.8K 5% 1/4W	R843	1-249-433-11	CARBON 22K 5% 1/4W
R701	1-249-441-11	CARBON 100K 5% 1/4W	R844	1-249-433-11	CARBON 22K 5% 1/4W
R702	1-249-429-11	CARBON 10K 5% 1/4W	R845	1-249-433-11	CARBON 22K 5% 1/4W
R703	1-249-429-11	CARBON 10K 5% 1/4W	R846	1-249-433-11	CARBON 22K 5% 1/4W
R704	1-249-438-11	CARBON 56K 5% 1/4W	R847	1-249-437-11	CARBON 47K 5% 1/4W
R705	1-249-429-11	CARBON 10K 5% 1/4W	R849	1-249-437-11	(AV501R)...CARBON 47K 5% 1/4W
R706	1-249-429-11	CARBON 10K 5% 1/4W	R850	1-249-425-11	(AV601)...CARBON 4.7K 5% 1/4W
R707	1-249-405-11	CARBON 100 5% 1/4W	R851	1-249-429-11	CARBON 10K 5% 1/4W
R708	1-249-402-11	CARBON 56 5% 1/4W	R852	1-249-429-11	CARBON 10K 5% 1/4W
R709	1-249-425-11	CARBON 4.7K 5% 1/4W	R853	1-249-429-11	(EXCEPT AV601)...CARBON 10K 5% 1/4W
R710	1-249-429-11	CARBON 10K 5% 1/4W	R854	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W
R711	1-249-429-11	CARBON 10K 5% 1/4W	R855	1-249-437-11	CARBON 47K 5% 1/4W
R713	1-247-847-11	(AV601)...CARBON 4.7K 5% 1/4W	R856	1-249-437-11	CARBON 47K 5% 1/4W
R712	1-249-425-11	CARBON 4.7K 5% 1/4W	R857	1-247-903-00	CARBON 1M 5% 1/4W
R800	1-249-430-11	(AV501:US)...CARBON 12K 5% 1/4W	R858	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W
R801	1-249-408-11	CARBON 180 5% 1/4W	R859	1-249-417-11	(AV601)...CARBON 1K 5% 1/4W
R802	1-249-408-11	CARBON 180 5% 1/4W	R860	1-249-429-11	CARBON 10K 5% 1/4W
R803	1-249-408-11	CARBON 180 5% 1/4W	R880	1-249-425-11	(AV501/AV601)...CARBON 4.7K 5% 1/4W
R804	1-249-408-11	CARBON 180 5% 1/4W	R881	1-249-433-11	CARBON 22K 5% 1/4W
R805	1-249-408-11	CARBON 180 5% 1/4W	R882	1-249-433-11	(AV501/AV601)...CARBON 22K 5% 1/4W
R806	1-249-408-11	CARBON 180 5% 1/4W	R883	1-249-441-11	CARBON 100K 5% 1/4W
R807	1-249-408-11	CARBON 180 5% 1/4W	R884	1-249-425-11	CARBON 4.7K 5% 1/4W
R808	1-249-408-11	CARBON 180 5% 1/4W	R885	1-249-433-11	(AV501/AV601)...CARBON 22K 5% 1/4W

**Note:**  
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**Note:**  
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
R886	1-249-417-11	CARBON 1K 5% 1/4W
R887	1-249-417-11	CARBON 1K 5% 1/4W
R888	1-249-429-11	CARBON 10K 5% 1/4W
R898	1-249-429-11	(AV601)...CARBON 10K 5% 1/4W
R899	1-249-437-11	(AV601)...CARBON 47K 5% 1/4W
R901	1-249-425-11	CARBON 4.7K 5% 1/4W
R902	1-249-396-11	CARBON 18 5% 1/4W
R903	1-249-417-11	CARBON 1K 5% 1/4W
R904	1-249-437-11	CARBON 47K 5% 1/4W
R905	1-249-437-11	CARBON 47K 5% 1/4W
R906	1-249-429-11	CARBON 10K 5% 1/4W
R907	1-249-417-11	CARBON 1K 5% 1/4W
R908	1-249-429-11	CARBON 10K 5% 1/4W
R909	1-249-426-11	CARBON 5.6K 5% 1/4W
R910	1-249-426-11	CARBON 5.6K 5% 1/4W
R911	1-249-417-11	CARBON 1K 5% 1/4W
R912	△.1-217-469-00	FUSIBLE 1 5% 1W F
R913	△.1-217-469-00	FUSIBLE 1 5% 1W F
R914	1-249-385-11	CARBON 2.2 5% 1/4W
R915	1-249-385-11	CARBON 2.2 5% 1/4W
R916	1-249-385-11	CARBON 2.2 5% 1/4W
R917	1-249-385-11	CARBON 2.2 5% 1/4W
R991	1-249-417-11	(AV501/AV601)...CARBON 1K 5% 1/4W
RV301	1-238-777-11	RES, VAR, CARBON 250K (INPUT BALANCE)
RV400	1-241-022-11	RES, VAR, CARBON 150K/150K (BALANCE)
RV401	1-238-962-11	RES, VAR, CARBON 250K/250K (TREBLE)
RV402	1-238-961-11	RES, VAR, CARBON 250K/250K (BASS)
RV403	1-238-959-11	RES, VAR, CARBON 120K/120K/120K (MASTER VOLUME)
RV500	1-230-717-11	RES, ADJ, CARBON 470
RV550	1-230-717-11	RES, ADJ, CARBON 470
RY700	1-515-356-00	RELAY
RY701	1-515-533-11	RELAY
RY702	1-515-533-11	(AV601)...RELAY
RY901	1-515-701-11	RELAY
S1	△.1-571-515-11	(AV501:E)...SWITCH, POWER VOLTAGE SELECTION
S500	1-572-395-11	SWITCH, PUSH (2 KEY)(SPEAKER)
S801	1-554-303-21	SWITCH, KEY BOARD (VIDEO 1)
S802	1-554-303-21	SWITCH, KEY BOARD (VIDEO 2)
S803	1-554-303-21	SWITCH, KEY BOARD (VIDEO 3/VDP)
S804	1-554-303-21	SWITCH, KEY BOARD (VIDEO 4)
S805	1-554-303-21	SWITCH, KEY BOARD (TAPE/DAT)
S806	1-554-303-21	SWITCH, KEY BOARD (CD)

Ref.No.	Part No.	Description
S807	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S808	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S809	1-554-303-21	SWITCH, KEY BOARD (OFF)
S810	1-554-303-21	SWITCH, KEY BOARD (DOLBY)
S811	1-554-303-21	SWITCH, KEY BOARD (HALL)
S812	1-554-303-21	SWITCH, KEY BOARD (SIMULATED)
S813	1-554-303-21	SWITCH, KEY BOARD (DELAY TIME)
S814	1-554-303-21	SWITCH, KEY BOARD (DBFB)
S815	1-554-303-21	SWITCH, KEY BOARD (SURROUND LEVEL +)
S816	1-554-303-21	SWITCH, KEY BOARD (SURROUND LEVEL -)
S817	1-554-303-21	SWITCH, KEY BOARD (DRLC/POWER)
S821	1-554-303-21	SWITCH, KEY BOARD (SYSTEM POWER)
T1	△.1-450-108-11	(AV601).....TRANSFORMER, POWER
T1	△.1-450-109-11	(AV501:US,Canadian) ...TRANSFORMER, POWER
T1	△.1-450-110-11	(AV501:E).....TRANSFORMER, POWER
T1	△.1-450-111-11	(AV501R:AEP,UK)....TRANSFORMER, POWER
T1	△.1-450-112-11	(AV501R,WG).....TRANSFORMER, POWER
T2	△.1-449-296-11	(AV501:US,Canadian/AV601) ...TRANSFORMER, POWER
T2	△.1-449-297-11	(AV501R).....TRANSFORMER, POWER
T2	△.1-449-299-11	(AV501:E)....TRANSFORMER, POWER
TM500	1-536-706-00	TERMINAL BOARD (SP)
TM501	1-537-156-21	TERMINAL BOARD (SPEAKER)
TM502	1-537-156-21	(AV601)...TERMINAL BOARD (SPEAKER)
X300	1-567-818-21	VIBRATOR, CERAMIC 3.58MHZ
X800	1-567-775-11	VIBRATOR, CERAMIC 4.19MHZ
X52MM	*1-535-303-00	WIRE, JUMPER

## ACCESSORY &amp; PACKING MATERIAL

1-465-418-11	REMOTE COMMANDER (RM-P302)
3-751-792-11	(ENGLISH/F/E/P)(AV501R:UK, AEP/AV501:E) ...MANUAL, INSTRUCTION
3-751-792-21	(ENGLISH)(AV501/AV601:US) ...MANUAL, INSTRUCTION
3-751-792-31	(FRENCH)(AV501:Canadian) ...MANUAL, INSTRUCTION
3-751-792-41	(D/NL/S/I)(AV501R)....MANUAL, INSTRUCTION
4-915-702-01	LABEL, CAUTION, DLBY SURROUND
*4-927-885-01	CUSHION
*4-927-887-01	(AV501:E)...INDIVIDUAL CARTON
*4-927-888-01	(AV601)....INDIVIDUAL CARTON
*4-927-891-01	(AV501R)....INDIVIDUAL CARTON

F : FRENCH  
E : SPANISH  
P : PORTUGUESE  
I : ITALIAN

D : GERMAN  
NL : DUTCH  
S : SWEDISH

## Note:

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

## Note:

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



# TA-AV501/AV501R/AV601

## SONY<sup>®</sup> SERVICE MANUAL

*US Model*  
*Canadian Model*  
*E Model*  
TA-AV501

*AEP Model*  
*UK Model*  
TA-AV501R

*US Model*  
TA-AV601

## SUPPLEMENT-1

File this supplement with the service manual.

Subject : Block Diagram.



4-9. BLOCK DIAGRAM

